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Lancaster Farming

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1985 - a year to remember in agriculture

BY JAMES H. EVERHART

LANCASTER – It was, to borrow from Charles Dickens, the best of times and the worst of times.

The year 1985 may be remembered as a watershed or turning point. A break-even proposition or disaster. The last of the bad years, or the end of the good ones.

But no matter how it's viewed, the clear assumption is that it will, in fact, be remembered.

It was a year of national politics, with ag leaders on center stage virtually all year.

Agriculture moved into the limelight in February, when the Reagan Administration proposed its comprehensive 1985 Farm Bill.

After months of wrangling and debate, the Congress passed the bill and it was signed into law just two days before Christmas – or eight days before year's end.

And while the Farm Bill crawled through Congress, emergency legislation to benefit the Farm Credit System raced through Capitol Hill in record time.

The year began with the system admitting to some trouble. But by the third quarter, Farm Credit leaders were appearing before Congress, asking for a $5 billion line of credit from the federal government.

Meanwhile, the national economy and the federal deficit occupied the attention of national farm leaders, many of whom proclaimed that the best farm bill Congress could pass in 1985 was a balanced budget amendment.

They didn't get an amendment, but Congress did pass a comprehensive deficit reduction package designed to bring the nation's spending under control by the 1990s.

The strong dollar hampered ag sales abroad, although the Reagan Administration did launch an export bonus program that was beginning to spur some sales in markets lost to foreign competitors.

Meanwhile, prices received by farmers nationwide declined about 5 percent over the year, with no major recovery in sight. Beef prices were down an average of $2.20 a hundredweight and hogs were down $3.30.

Corn prices dropped 10 percent to $2.31 a bushel, wheat prices declined 22 cents to $3.16, and soybeans dropped 81 cents to $5.01. Eggs were one of the few bright spots among the major categories, increasing about eight cents to 66.2 cents a dozen.

Milk prices were also reduced as the nation's milk production soared after the producer-funded diversion program ended in March. Several months achieved all-time records, as output increased by double-digit figures.

By year's end, the growing gap between year-earlier figures began to narrow, as milk support price reductions apparently took effect.

Dairy producers took some of the responsibility for their own destiny in 1985, overwhelmingly endorsing a multi-million-dollar promotions program in a referendum. National, regional, state and local promotions organizations viewed the outcome as a vote of confidence, and attacked their ambitious agendas with added vigor.

Throughout the agricultural industry, consolidation was the watchword among major equipment manufacturers.

Among the major manufacturers, a German firm purchased Allis Chalmers' ag equipment division to become Deutz-Allis, Case and International Harvester merged to from J I Case, and Ford announced plans to purchase the New Holland operation from the parent Sperry Corp.

The first of the new dairy additives, isoacids, made their debut, as experts looked nervously over the horizon at bovine growth hormones, expected to arrive in three to five years and boost milk production per cow by 20 percent or more.

Regionally, milk producers got some more bad news with the financial failure of the Northeast Dairy Cooperative Federation. At year's end, NEDCO officials were in federal bankruptcy court, while producers had lost an estimated $15 to $20 million.

In Pennsylvania, Dr. Richard Grubb was appointed state Agriculture Secretary, replacing Penrose Hallowell, who resigned in March after serving in the first six years of the Thornburgh Administration.

Portions of the upstate area spent much of the year trying to recover from a tornado which did more than $35 million in damage to agricultural operations in June.

And though unsuccessful in their attempts to win passage of a statewide program, ag land preservation supporters could find a lot to cheer about in the creation of the Friends of Agriculture organization in Lancaster County.

"Friends" co-founder Amos Funk of Millersville was named the Pennsylvania Farmer's Association's Man of the Year, in recognition of his three decades of work in the land preservation and conservation fields.

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Farm Show times

HARRISBURG – Workers are gearing up for the start of the Pennsylvania Farm Show next weekend.

A schedule for the annual ag extravaganza appears on page C13

Lancaster Tobacco

With this issue, Lancaster Farming inaugurates its Pennsylvania tobacco auction report. Labeled "Lancaster Tobacco," the report will summarize the three weekly tobacco auctions being conducted at Martin's Sale Barn, Intercourse, by Pennsylvania Tobacco Auction, Inc.

The report will appear on page A17, and will include the total pounds sold, an average price for all tobacco sold and two price breaks by grade; one for the three top grades (tops, middles and bottoms) and one for outgrade tobacco.

The report will continue through February, or until all area production has been sold. Lancaster Farming will provide Maryland auction reports beginning in March.

Livestock market and auction news

Some markets not covered by PDA or USDA due to holiday

Lancaster Market

Monday, Dec. 30
Report Supplied by USDA

	Cattle	Calves	Hogs	Sheep	Goats
Monday's Receipts	1234	141	746	207	124
Last Monday	769	139	500	463	
Last Year	706	96	368	421	
Monday's Auction	1229	150	732	230	123
Last Monday's Auction	662	147	462	309	337

CATTLE: Compared to last Monday slaughter steers steady, instances 1.00 lower; slaughter heifers weak to mostly 1.00 lower; cows firm to 1.00 higher; bullocks scarce; bulls 3.00-4.00 higher. Supply included 63% slaughter steers, 19% slaughter heifers, 13% cows, and 5% bulls.

SLAUGHTER STEERS: Few head high Choice and Prime 3-4 1200-1425 lb. 66.00-68.60; Choice 2-4 1100-1450 lb. 62.50-65.00, couple lots 65.25-66.00; high Good and low Choice 2-3 1050-1275 lb. 59.50-63.00; Good 2-3 55.00-59.00; Good and Choice 1150-1525 lb. Holsteins 42.75-46.00, couple Choice 48.50-51.25, Standard and low Good 1050-1375 lb. 38.50-41.75.

SLAUGHTER HEIFERS: Choice 2-3 950-1200 lb. 58.50-62.50, few head Choice 2 63.00-65.00, few Choice 2-3 850-950 lb. 56.00-58.50; Good 2-3 850-1150 lb. 52.00-58.00.

COWS: Breaking Utility and Commercial 2-4 37.50-40.00, few 40.00-41.50; Cutter and Boning Utility 1-3 35.50-38.50, few to 39.00; Canner and low Cutter 32.50-35.50.

BULLOCKS: Good 1-2 1050-1250 lb. 48.00-53.50; couple Choice 2-3 1040-1300 lb. 55.50-58.75.

BULLS: Yield grade 1 1225-1800 lb. 50.00-55.00; yield grade 2 1000-1650 lb. 45.50-49.75, few 44.50-45.50.

VEAL CALVES: Vealers mostly steady, although high Choice and Prime not fully tested. Demand good for Holstein bulls to return to farm. Supply included 14 head Prime special fed 400 lb. bought to arrive at 125.00.

VEALERS: Few head Choice and Prime 150-300 lb. 85.00-105.00; high Good and low Choice 160-300 lb. 65.00-80.00, 120-150 lb. 45.00-60.00, 80-110 lb. 30.00-50.00.

RETURNED TO FARM: Few 100-120 lb. Holstein bulls 80.00-100.00.

SHEEP: Wooled lambs 2.00-5.00 higher, instances 8.00 higher; slaughter ewes fully steady, instances 5.00 higher.

WOOLED LAMBS: Choice and Prime 85-110 lb. 70.00-80.00; Good and low Choice 80-105 lb. 65.00-70.00, 60-80 lb. 70.00-80.00; few Choice 50-60 lb. new crop lambs 85.00-100.00.

SLAUGHTER LAMBS: Utility and Good 25.00-35.00, few 35.00-40.00.

GOATS: All goats sold by the head, generally steady to 5.00 higher; Large mature 60.00-70.00, couple 70.00-76.00; Medium 45.00-60.00; Small 30.00-40.00; few Plain 20.00-25.00.

Vintage Market

Tuesday, Dec. 31
Report Supplied by USDA

	Cattle	Calves	Sheep	Goats
Today	780	752	1	0
Last Tuesday	465	499	0	0
Last Year	441	447	2	1

CATTLE: Compared to last Tuesday slaughter steers .50 to mostly 1.00 lower; slaughter heifers steady; cows steady, instances 1.00 lower; bulls and bullocks not fully tested. Supply included 45 percent slaughter steers and 50 percent cows.

SLAUGHTER STEERS: Few head high Choice and Prime 2-4 1175-1350 lb. 66.25-67.25; couple head Choice 2 1225-1325 lb. 68.25-70.10; Choice 2-4 1075-1425 lb. 62.75-66.00; high Good and low Choice 2-3 1100-1325 lb. 59.75-63.00; Good 2-3 1000-1250 lb. 55.00-60.50; few Good and Choice 1200-1400 lb. Holsteins 45.00-45.75.

SLAUGHTER HEIFERS: Choice 2-3 1000-1300 lb. 59.50-63.25; few Good 2-3 950-1180 lb. 55.00-59.50.

COWS: Breaking Utility and Commercial 2-4 36.00-40.00, few 40.25-41.75; Cutter and Boning Utility 1-3 35.00-38.50, few 38.50-39.25; Canner and low Cutter 31.75-35.00, few 29.00-31.50.

BULLS: Yield grade 1-2 1600-2185 lb. 46.50-50.50.

VEAL CALVES: Choice vealers not fully tested; high Good to low Choice steady to 3.00 lower. Supply included 614 in graded sale of which 62 percent sold to return to farm.

VEALERS: Few Choice 160-210 lb. 65.00-72.00; high Good and low Choice 120-220 lb. 50.00-66.00, 90-110 lb. 33.00-41.00, 80-90 lb. 29.00-35.00, 60-80 lb. 25.00-30.00.

RETURNED TO FARM: 250 head 100-125 lb. Holstein bulls 85.00-94.00, 50 head 90-95 lb. 78.00-82.00; 40 head small frame 110-220 lb. 74.00-75.00, 40 head 100-105 lb. 46.00-58.00 with 40 head 90-95 lb. 39.00-40.00.

SHEEP: No market test.

New Holland Livestock

New Holland, Pa.
Thursday, Jan. 2

CATTLE 1030: Compared to last Thursday slaughter steers steady to 1.00 lower with Good to low Choice mostly 1.00 lower; slaughter heifers steady, instances 1.00 lower on Good; cows steady to 1.00 lower with decline mainly on Canner and Cutter; bullocks scarce; bulls fully steady, instances 1.00 higher. Supply included 25 percent slaughter steers, 7 percent slaughter heifers, 63 percent cows, 4 percent bulls with the balance feeders.

SLAUGHTER STEERS: Choice 2-4 1075-1375 lb 62.75-65.85; high Good and low Choice 2-3 59.75-63.35; Good 2-3 1000-1325 lb. 56.00-60.50; few Good and Choice 1275-1500 lb. Holsteins 46.25-48.00, couple Choice 49.00-51 00

SLAUGHTER HEIFERS: Choice 2-3 975-1225 lb 60.00-64.75; Good 2-3 925-1275 lb 53.50-57.50.

COWS: Breaking Utility and Commercial 2-4 37.50-41.50, few 41.50-43.25; Cutter and boning Utility 1-3 33.75-38.75, few 38.75-40.00; Canner and low Cutter 31.50-34.00, few 29.50-31.50.

BULLS: Yield 1 1300-2050 lb 47.75-50.50:, couple 51.25-56.50; yield grade 2 1000-1500 lb 44.75-47.75.

VEAL CALVES 648: Vealers mostly steady. Demand good for Holstein bulls to return to farm.

VEALERS: High Choice and Prime 240-400 lb 99.00-109.00, five head 113.00-116.00; Choice 170-310 lb 81.00-95.00, couple 96.00-101.00; high Good and low Choice 140-300 lb 59.00-80.00, 80-115 lb 39.00-45.00, couple 45.00-49.00, 60-80 lb 34.00-40.00.

RETURNED TO FARM: Bulk 95-125 lb Holstein bulls 78.00-90.00, several 90.00-98.00, small frame 90-115 lb 48.00-70.00.

SHEEP 31: Insufficient volume for a market test, few Choice and Prime 70-100 lb 70.00-80.00, few Good 60-90 lb 60.00-67.00.

GOATS 65: All goats sold by the head, bulk of supply medium selling at 32.00-46.00, large 46.00-57.00 with 7 head 65.00-75.00, few small 18.00-28.00.

Lancaster County Weekly

Friday, January 03
Report Supplied by PDA

	Cattle	Calves
This Week	3300	1550
Last Week	2069	1342
Last Year	2433	1521

CATTLE: Sl. steers steady to 1.00 lower, with Good to low Choice mostly 1.00 lower; sl. heifers weak to mostly 1.00 lower; cows steady, instances 1.00 lower on Canner & Cutter; bullocks scarce; bulls 1.00 to 2.00 higher, some early sales 4.00 higher. Supply included 42 per cent sl. steers, 10 per cent sl. heifers, 36 per cent cows, 4 per cent bulls, with the balance feeders.

SLAUGHTER STEERS: Few head high Choice & Prime 2-4 1175-1425 lbs. 66.00-68.60; couple head Choice 2 1225-1325 lbs. 68.25-70.10; Choice 2-4 1075-1450 lbs. 62.50-66.00; high Good & low Choice 2-3 1050-1275 lbs. 59.50-63.35; Good 2-3 1000-1325 lbs. 55.00-60.50; Good and Choice 1150-1525 lb. holsteins 42.75-48.00, couple Choice 48.00-51.25; Standard & low Good 1050-1375 lbs. 38.50-41.75.

SLAUGHTER HEIFERS: Choice 2-3 950-1300 lbs. 58.50-63.00, few head Choice 2 63.00-65.00, few Choice 2-3 850-950 lbs. 56.00-58.50; Good 2-3 850-1275 lbs. 52.00-58.00.

COWS: Breaking Utility & Commercial 2-4 37.00-40.00, several 40.00-41.50, couple head 41.75-43.25; Cutter & Boning Utility 1-3 33.75-38.75, few 38.75-40.00; Canner & low Cutter 31.50-35.00, few 29.00-31.50.

BULLOCKS: Good 1-2 1050-1250 lbs. 48.00-53.50; couple Choice 2-3 1040-1300 lbs. 55.50-58.75.

BULLS: YG 1, 1300-2050 lbs. 47.75-54.00, couple 54.00-56.50; YG 2, 1000-1650 lbs. 44.50-49.75.

VEAL CALVES: Vealers mostly steady, demand good for holstein bulls to return to farm.

VEALERS: High Choice & Prime 200-400 lbs. 99.00-109.00, 5 head 113.00-166.00; Choice 170-310 lbs. 80.00-95.00, couple 95.00-101.00; high Good & low Choice 140-300 lbs. 59.00-80.00, 80-115 lbs. 29.00-42.00, few 42.00-49.00, 60-80 lbs. 25.00-40.00.

RETURNED TO FARM: Bulk 95-125 lb. hol. bulls 78.00-94.00, few 94.00-98.00; small frame 95-120 lbs. 48.00-75.00, with 90-95 lbs. 39.00-45.00.

Weekly Summary

Harrisburg, PA
Friday, January 03
Report supplied by PDA
7 Livestock Markets

CATTLE: 3856. Compared with 2903 head last week and 2010 head a year ago. Compared with last Friday's summary, sl. steers and heifers mostly st[illegible] to 1.00 lower on a small supply; c[illegible] steady to .50, spots 1.00 lower; bullocks not tested; bulls mostly 1.00 to 2.00 lower. Steers: few high Choice & Prime 3-4 66.00-68.60; Choice 2-4 61.25-66.00, Good 55.00-60.50; Standard 44.00-54.00. Heifers: Choice 56.00-64.75, Good 50.00-58.00, Standard 42.00-49.50. Cows: Breaking Utility & Commercial 36.00-40.00, Cutter & Boning 33.00-38.50, Canner & Cutter 27.50-33.50, shells 23.00. Bullocks: few Good 48.00-53.50. Bulls: YG 1, 1000-1950 lbs. 46.50-50.50; No. 2, 900-1500 lbs. 37.50-47.75.

FEEDER CATTLE: Medium Frame 1 330-650 lb. steers 46.00-56.00; heifers Medium Frame 1 350-600 lbs. 40.00-48.00.

CALVES: 2721. Compared with 2522 head last week, and 2074 head a year ago. Uneven, mostly steady to 3.00 higher. Few Prime 95.00-109.00, Choice 81.00-95.00, Good 65.00-81.00, Standard & Good 110-130 lbs. 45.00-60.00, 90-110 38.00-50.00, 65-85 lbs. 34.00-43.50.

FARM CALVES: Hol. bulls 90-130 lbs. 45.00-120.00, mostly 75.00-90.00.

HOGS: 4374. Compared with 3805 head last week, and 4337 head a year ago. Steady to strong. 1-2 200-245 lbs. 48.50-50.00; 2-3 210-250 lbs. 47.00-49.00; 2-4 220-285 lbs. 46.50-48.00. Sows: Unevenly steady, 1-3 300-600 lbs. 35.00-41.50; few 2-3 300-675 lbs. 32.00-37.00. Boars 25.00-31.00.

FEEDER PIGS: 85. Compared with 134 head last week, and 560 head a year ago. Steady to weak. 20-35 lbs. 13.00-17.00, few 35-70 lbs. 30.00-35.00 per head.

3 GRADED FEEDER PIG SALES: 1435. Compared with 1476 head last week, and 1115 head a year ago. Highly uneven, extremes 10.00 higher to 9.00 lower. 25-40 lbs. 81.00-104.00, 40-50 lbs. 72.00-92.00, 50-60 lbs. 56.00-82.00, 60-65 lbs. 67.00-78.00; 2-3 20-40 lbs. 79.00-110.00, 40-50 lbs. 71.00-77.00, 70-90 lbs. 40.00-52.00.

SHEEP: 519. Compared with 594 head last week, and 86 head a year ago. Wooled lambs strong to 3.00 higher, high Choice & Prime 85-125 lbs. 70.00-80.00; Choice 70-100 lbs. 55.00-69.00; Good & Choice 50-85 lb. feeder lambs 60.00-80.00.

SL. SHEEP: 12.00-35.00.

HAY, STRAW & CORN — SALE —
Every Friday at 12 Noon

GREEN DRAGON MARKET & AUCTION
RD No. 4 Ephrata, Pa. 717-738-1117
1 mile North of Ephrata on N. State St.
Out of State Buyers - Cash or Certified Check Only

VINTAGE SALES STABLES, INC.
Sale Every Tuesday
10:30 A.M.
Slaughter Cattle Auction - Steers, Bulls, Heifers, Cows, Feeder Cattle.
Get calves in early. We start to grade and weigh at 2:00
Sale Every Saturday
9 A.M.
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10 miles East of Lancaster on Rt 30

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365 days a year
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AUCTIONS
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9:00 A.M. —Slaughter Bulls, Heifers, Steers, Cows
10:00 A.M. —Goats, Veal Calves, Lambs
12 Noon —Slaughter Hogs
TUESDAY
9:00 A.M. —Slaughter Hogs
1:00 P.M. —Feeder Pigs
WEDNESDAY
8:00 A.M. —Slaughter Hogs
10:00 A.M. —Slaughter Bulls, Heifers, Steers, Cows
11.00 A M —Veal Calves, Lambs
FRIDAY
11:00 A.M. —Stocker and Feeder Cattle
SATURDAY
8:00 A.M. —Slaughter Hogs
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Buyers & Sellers Welcome

HOG MARKETS

Lancaster Hogs
Lancaster Stockyards
Monday, Dec. 30
Report supplied by USDA

HOGS: Compared to last Monday barrows and gilts mostly steady; sows 4.00-6.00 higher.

BARROWS AND GILTS: US 1-2 210-250 lb. 48.75-49.75; US 1 210-250 lb. 50.00-52.00; US 1-3 200-260 lb. 48.00-49.00; US 3-4 Few 220-270 lb. 47.50-48.00.

SOWS: US 1-2 300-450 lb. 37.00-39.00; US 1-3 450-650 lb. 39.50-41.50, few 41.50-42.50.

Tuesday, Dec. 31

Today	124
Last Tuesday	194
Last Year	Holiday

TREND: Compared to Monday, small supply barrows and gilts 50-1.00 lower.

BARROWS AND GILTS: US 1-2 215-250 lb. 48.50-49.00; US 1-3 215-250 lb. 47.00-47.75, 255-265 lb. 46.50-47.10.

Lancaster Feeder Pigs
Tuesday, Dec. 31
Report supplied by USDA

Today	375
Last Tuesday	640
Last Year	305

TREND: Compared to last Tuesday feeder pigs steady to 5.00 higher. All pigs weighed on arrival and sold by the hundred weight.

US 1-2: 78 head 26-39 lbs. 80.00-100.00; 92 head 40-49 lbs. 78.00-92.00; 50 head 50-59 lbs. 72.00-82.00; 77 head 60-65 lbs. 67.00-78.00.

US 2-3: 11 head 21-27 lbs. 88.00-92.00; 18 head 70-91 lbs. 40.00-52.00.

New Holland Hogs
New Holland Sales Stables
Monday, Dec. 30
Report supplied by auction

Today	1350
Last Monday	1145
Last Year	1837

TREND: Compared to last Monday barrows and gilts firm to 50 higher.

BARROWS AND GILTS: US 1-2 210-250 lb. 48.50-50.35, Bulk 49.50-50.00. US 1 210-250 lb. 50.50-51.00. US 1-3 210-260 lb. 47.50-48.50.

Lancaster Stockyard Hog Market
Sat., Dec. 28, 1985

1500 head.

US 1 205-245 lbs. 52.00-54.00, few head 54.50-54.75; US 1 & 2 205-245 lbs. 51.00-52.00; US 1 & 3 215-260 lbs. 49.00-51.00; US 2-4 220-260 lbs. 48.00-49.00.

Sows: all weights 34.00-38.75.

Boars: all weights 32.00-35.00.

New Holland Feeder Pigs
New Holland, Pa.
Wednesday, Jan. 1
Report supplied by Auction

Today	810
Last Wednesday	Holiday
Last Year	790

Trend: Not comparable, market closed last week due to holiday. All pigs weighed on arrival and sold by the hundred weight.

US 1-2: 33 head 28-30 lbs. 104.00-107.00; 77 head 31-39 lbs. 89.00-100.00; 186 head 40-49 lbs. 72.00-86.00; 118 head 50-56 lbs. 71.00-81.00; 52 head 64-67 lbs. 61.00-72.00; 63 head 70-85 lbs. 59.00-62.00.

US 2-3: 16 head 28-30 lbs. 110.00-112.00; 36 head 38-39 lbs. 79.00; 87 head 40-49 lbs. 53.00-77.00; 19 head 61-62 lbs. 51.00-54.00.

Peoria Hogs
Thursday, Jan. 2
Report supplied by USDA

3000 - Barrows & gilts moderate, mostly 50 higher.

US 1-2 200-240 lb. 47.50-48.00, bulk 47.50, 80 head; US 1-3 200-250 lb. 47.00-47.50, 48.35.

SOWS: Under 500 lb. mostly steady, instances 50 lower; over 500 lb. 50-1.00 higher. (13%).

US 1-2 350-500 lb. 36.00; US 1-3 500-650 lb. 43.00-44.00.

BOARS: Over 350 lb. 29.00; under 350 lb. 28.00-31.00.

Indianapolis Hogs
Thursday, Jan. 2
Report supplied by USDA

500 - Barrows & gilts moderately active, mostly steady.

US 1-3 220-260 lb. 47.00-47.50.

SOWS: Very active; under 500 lb. firm to 1.00 higher; over 500 lb. 2.00-4.00 higher. (10%).

US 1-3 400-480 lb. 36.00-37.00; 540-680 lb. 40.00-45.00.

BOARS: Few over 300 lb. 25.00.

St. Louis Hogs
Thursday, Jan. 2
Report supplied by USDA

3500 - Barrows & gilts moderately active, steady to 25 higher.

US 1-3 210-260 lb. 47.50-47.75; US 2-3 260-270 lb. 46.50; 270-290 lb. 45.00-46.00.

SOWS: Under 500 lb. steady; over 500 lb. 2.00-3.00 higher. (About 5%).

US 1-2 300-500 lb. 38.00; US 1-3 over 500 lb. 43.00-45.00.

BOARS: Over 300 lb. 29.50; under 300 lb. 30.00-31.00.

Vintage Hogs
Vintage Sales Stables
New Holland, Pa.
Saturday, Dec. 28
Report Supplied by Auction

1s and 2s, 210-255 lbs., 49.00-51.00.
2s and 3s, 210-250 lbs., 48.75-50.50.
Sows, 350-600 lbs., 34.00-38.00.
Boars, 220-560 lbs., 33.00-34.75.

Chambersburg Livestock
Chambersburg, Pa.
Thursday, January 2
Report supplied by PDA

CATTLE: 381. Few Choice 1200-1400 lb. 58.00-63.00; few Good 54.50-58.85; few Standard 43.10-51.50; few Choice heifers 54.25-55.75; few Good 42.75-48.00; Breaking Utility & Commercial cows 35.85-38.50; Cutter & Boning 34.35-36.85; Canner & Low Cutter 30.85-33.25; shells 27.55; few Yield Grade No. 1, 1300-2050 lb. bulls 43.85-49.35.

FEEDER CATTLE: Few Med. No. 1 steers 500-550 lb. 46.00-51.00; few Large No. 2, 550-650 lb. 40.00-44.50; heifers few Med. No. 1, 350-550 lb. 45.00-55.00; few Large No. 2, 500-550 lb. 34.00-38.00.

CALVES: 388. Few High Choice & Prime 95-105; few Choice 78.00-87.00; Good 66.00-79.00, few 115-120 lb. 46.50-58.00; 90-110 lb. 43.00-46.00; 70-85 lb. 38.50-43.50; holstein bulls 90-120 lb. 45.00-111.00, mostly 80.00-107.00; heifers 95-125 lb. 46.00-48.50.

HOGS: 39. Few No. 2-3, 230-245 lb. 47.00-47.25; sows No. 1-3, 270-450 lb. 35.50-38.50.

FEEDER PIGS: 9. One lot No. 1-3, 30 lb. 16.50 per head.

SHEEP: 1. No market test.

St. Louis Feeder Cattle
Thursday, January 2
Report supplied by USDA

Receipts around 400.

Limited supply Feeder Steers 1.00-2.00 higher Insufficient volume Feeder Heifers to fully test prices.

FEEDER STEERS: Few lots Medium and Large Frame 1 300-600 lbs. 60.50-68.00; 600-900 lbs 56.00-58.00.

FEEDER HEIFERS: Few lots Medium and Large Frame 1 350-600 lbs. 52.50-57 50.

U.S. Inspected Livestock Slaughter

Estimated Daily Livestock

	CATTLE	CALVES	HOGS	SHEEP
Week To Date (Est.)	374,000	41,000	912,000	73,000
Same Pd. Lt. Wk. (Est.)	321,000	37,000	751,000	68,000
Same Pd. Lt. Yr. (Act)	375,000	39,000	911,000	70,000

Chicago Grain Futures

(Closing Bids as of Thursday, Jan. 2)

Mo.	Corn	Wheat	Soybeans	Soybean Meal
Nov.				
Dec.				
Jan.'86			5.36¾	150.00
Mar.'86	2.47½	3.39½	5.48½	152.10
May '86	2.51¾	3.50¾	5.58¾	154.10
July '86	2.52½	2.82	5.67¼	156.20
Aug. '86			5.66¼	156.50
Sept. '86	2.36	2.81½	5.49	152.30
Nov. '86			5.47¼	
Dec. '86	2.26	2.93		151.50
Jan. '87			5.57	

Trends - Corn - weaker; Soybeans - stronger; Wheat - weaker; Soybean Meal - stronger.

Futures Trading

(Closing Bids as of Thursday, Jan. 2)

Mo.	Chicago Cattle	Chicago Hogs	NY Maine Potatoes
Nov.			
Dec.			
Feb. 86'	59.55	46.30	
Apr. 86'	59.92	42.77	
May 86'			2.32
June 86'	60.20	45.75	
July 86'		45.72	
Aug. 86'	59.17	44.70	
Oct. 86'	57.62	41.55	
Nov. '86			3.40
Dec. '86	59.70	42.32	

Trends - Cattle - weaker; Hogs - weaker.

We Are Happy To Announce As Of December 9th Ed Prosser Is Associated With Us As Manager Of Our Hog Department

FEEDER PIG SALE
Every Tuesday, Starting at 1:00 P.M.
PLEASE NOTE: All pigs to be graded MUST BE here by 11:30 A.M.

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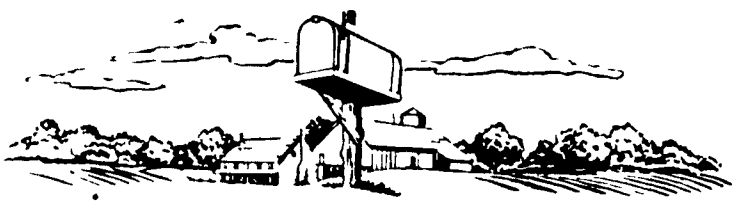

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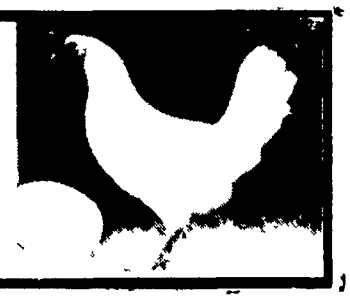
POULTRY MARKETS



Delmarva Poultry

Thursday, Jan. 2
Report supplied by USDA

Market Comment: Demand for ready to cook whole birds was just fair at some plants, good at others. Offerings were generally adequate to closely cleared.Demand for part items was lighter when compared to early week. Supplies were usually adequate all but wings, but even this item was showing some decline in overall buyer interest.

Live supplies were adequate. Weights were mostly desirable to heavier than desired. Slaughter schedules were moderate heavy overall. The undertone was fully steady.

Today's L.T.L. asking prices were 1 cent higher on U.S. Grade A at .50-.57 cents.

Estimated slaughter of broiler fryers in Delmarva (000).

Estimated 01/02 2,020,000; Actual 12/26 1,953,000.

Actual 12/31 1,305,000; Average Weights 12/31 4.64; Avg. Wghts. 12/24 4.58.

New York Multiple Drop Broiler Report

Thursday, Jan. 2
Report supplied by USDA

Current broiler-fryer negotiated prices for immediate delivery includes mostly multiple drop shipments to New York City from Delmarva.

Range: U.S. Grade A .48-.56.

Weighted AVG.: U.S. Grade A 53.67.

Premium (X) Boxes 9,681.

(X) Includes special services, selected competitive brands, etc.

Philadelphia Eggs

Thursday, Jan. 2
Report supplied by USDA

Market Comment: Prices were unchanged under a generally steady trade sentiment. Cartoned egg movement was about moderate and most dealers noted adequate to close supplies of large and heavier weight eggs. Mediums were just adequate at best. Smalls were short. Ungrade stocks were at least adequate as farm pickups were curtailed due to the holiday.

Prices to retailers: sales to volume buyers, consumer grades white eggs in cartons delivered store door:

A Extra Large .75-.77; A Large .74-.76; A Medium .67-.69.

Eastern Pa. & N.J. Poultry

Wednesday, Jan. 1
Report supplied by USDA

Market Comment: Producer offerings were ample but expected to lessen by the middle of January. Processing schedules were lighter and still affected by the year-end holiday or for plants' equipment replacement. Undertone steadier at current price levels.

Light Type Hens: .09-.10, mostly .09-.09½.

F.O.B. Plant: .12-.12½, mostly .12.

Heinsey's Poultry Market

Root's, East Petersburg
Tuesday, Dec. 31
Report supplied by auction

MUSCOVY DUCKS, DRAKES: range .90-1.08 per lb.

MUSCOVY DUCKS, HENS: range .74-.86 per lb.

PEKIN DUCKS: range .30-.52 per lb.

RED FOWL: 4-5 lbs. range .22-.34 per lb.

RED FOWL: 5-6 lbs. range .32-.44 per lb.

CROSSBRED FOWL: 5-10 lbs. range .26-.48 per lb.

CROSSBRED ROOSTERS: 4-6 lbs. range .50-.72 per lb.

CROSSBRED ROOSTERS: 7-11 lbs. range .30-.62 per lb.

GUINEA FOWL: range 1.10-1.20 per lb.

BANTY ROOSTERS: range 2.00-4.00 ea.

BANTY HENS: range .68-1.25 ea.

LEGHORN HENS: range .08-.23 per lb.

GEESE: 7-18 lbs. range .25-.58 per lb.

TURKEYS: 12-18 lbs. range .27-.76 per lb.

PIGEONS: range 1.40-1.75 ea.

WHITE PIGEONS: range 3.25-3.75 ea.

SILKIES: range 5.00-6.25 ea.

DOVES: range 2.75-3.50 ea.

RABBITS: 4-6 lbs. range .90-1.10 per lb.

RABBITS: 7-11 lbs. range .70-.92 per lb.

CHUCKERS: 3.85-4.25 ea.

CAPONS: 11-12 lbs. .68-.72.

BUNNIES: .75-1.50 ea.

GUINEA PIGS: range .25-2.00 ea.

GOATS: range 5.00-40.00 ea.

Total Number Coops: 530.

Hackettstown Poultry & Egg

Hackettstown, N.J.
Tuesday, Dec. 30
Report Supplied by Auction

Heavy Fowl: .30.
Leghorn Fowl: .04.
Roasters: .75-.90.
Pullets: .70-.75.
Geese: .30-.50.
Roosters: .50.
Turkey: .30-.70.
Bantams: .02-.30.
Ducks: .45-1.35.
Rabbits: .40-1.75.
Pigeons: 1.00-1.60
Guineas: 1.55.

Eggs

Grade A: White Jumbo X Lge .58-.80, Brown .75-.99.

Grade A: White Large .49-.78, Brown .43-.75.

Grade A: White Medium 41-64, Brown .35-.46.

Grade A: White Small .30, Brown .25.

Grade A. White Pee Wees .20, Brown .15.

N.E. Weekly Shell Egg Report

Tuesday, Dec. 31
Report Supplied by USDA

Prices paid per dozen Grade "A" Brown eggs in cartons delivered to retail stores·

	Ex. Large	Large	Medium	Small
N. HAMP.	.88-.92	.86-.90	.78-.82	.49-.53
Mostly	.90-.91	.88-.89	.80-81	.51-.52
R.I.	.90-.95	.88-.93	.80-.85	.51-.56
Mostly	.90-.91	.88-.89	.80-81	.51-.52
VERMONT	.95-1.00	.89-.98	.77-.92	
Mostly	1.00	.98	.90	
MAINE	.95-1.02	.93-1.00	.85-92	56-.58

X Includes Central and Western Sections only.

Weekly New York Egg Market National Quotes

From Friday, Dec. 27 to Thursday, Jan. 2

	Fri.	Mon.	Tues.	Wed.	Thurs.
WHITE					
Jumbo	.79	.79	.79	—	.79
Ex. Large	.78	.78	.78	—	.78
Large	.78	.78	.78	—	.78
Medium	.72	.72	.72	—	.72
Pullets	.52	.52	.53	—	.54
Off Grade	.65	.65	.65	—	.65
BROWN					
Jumbo	—	—	—	—	—
Ex. Large	.91	.91	.91	—	.91
Large	.88	.88	.88	—	.88
Mediums	.73	.73	.73	—	.73
Pullets Unquoted					
Peewees Unquoted					
Off Grade					
Undergrades	.34	.34	.35	—	.36
Checks	.32	.32	.33	—	.34

Northeast Breaking Stocks

Friday 40.00-43.00; Tuesday 41.00-44.00; Thursday 42.00-45.00.

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Record-Express Office Building
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Pennfield
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Feed management is the foundation on which a financially sound dairy operation is built. The cost of forage and grain is the largest annual expense. The purpose of Pennfield Dairy Management Meetings is to give you, the dairyman, some up-to-date facts on feed management, and some ideas on how to improve your cash flow.

AGENDA

11:00 a.m.	• Pennfield-Improving Services for Today's Dairyman
11:20 a.m.	• Better Heat Detection Improves Profits
11:40 a.m.	• Ways to Help You Improve Heat Detection
12:00 noon	Lunch
1:00 p.m.	• Forages Affect Your Milk Production and Profits
1:20 p.m.	• How to Develop an Economical Feeding Program For Your Dairy Herd
2:00 p.m.	• New Developments in Feeding Cows
2:15 p.m.	Questions and Answers
2:30 p.m.	Meeting Adjourns Promptly

FEATURED SPEAKER

Dr. Brian Perkins, Ph.D. is Manager of Dairy and Livestock Nutrition for Pennfield Corporation. He is a graduate of Cornell University where he specialized in Reproductive Physiology and Ruminant Nutrition.

MEETING LOCATIONS

Wed., Jan. 22 ..... Perry County - Kistler Corner Restaurant
Thurs., Jan. 23 ..... Lancaster County - Bird-in-Hand Restaurant
Tues., Jan. 28 ..... Lewistown, Pa. - Holiday Inn
Wed., Jan. 29 ..... Clintondale Mills - Lamar, Pa.
Thurs., Jan. 30 ..... Clintondale Mills - Lamar, Pa.
Tues., Feb. 4 ..... Martinsburg, Pa. - Chilcoat's Restaurant, Rt. 220 East Freedom
Tues., Feb. 11 ..... Lancaster County - Willow Valley Restaurant, Rt. 222 South of Lancaster, Pa.
Thurs., Feb. 13 ..... Eastern Shore, MD - Granary Restaurant, Rt. 213 North of Galena

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TO MAKE RESERVATIONS FOR THE MEETING IN YOUR AREA CALL TOLL FREE

PA 1-800-732-0467 MD, DE & NJ 1-800-233-0202

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HAY MARKETS

Frederick Co. Hay & Straw

Buckeystown, Md.
Thursday, Jan. 2
Report supplied by auction

54 loads. Market slow; steady to 10.00 lower on all grades of hay; steady on straw.

Alfalfa, 7 loads fair to good, 81.00-100.00, 11 fair some damaged, 70.00-78.00.

Timothy, 12 fair to good, 70.00-80.00; Mixed Hay, 5 fair to good, 70.00-100.00; Clover Hay, 2 fair, 40.00-65.00.

Straw, 7 fair to good, 71.00-91.00; Corn Fodder, big bales, 20.00 ea.; Firewood, 5 lds. hardwood, 52.50-61.00 cord.

Carroll Co. Hay

Carroll Co., Md.
Tuesday, Dec. 31
Report supplied by auction

25 loads.

Alfalfa, 82.00-95.00, 1.80 bale; Timothy Hay, 76.00-82.50, 1.45 bale; Mixed Hay, 80.00-93.00, 1.50-1.55 bale; Wheat Straw, 1.35 bale; Oat Straw, 63.00; .80-1.45 bale.

Mulch Hay, .65 bale; Wood, 63.00 cord.

New Holland Hay

New Holland Sales Stables
Monday, Dec. 30
Report supplied by auction

312 loads. Hay prices lower 10.00-20.00 per ton. Straw 5.00 lower. Ear corn fully steady.

Alfalfa, 16 loads, 90.00-123.00, 28 at 70.00-90.00, 27 at 55.00-70.00, a few under 55.00.

Mixed Hay, 6 loads at 90.00-106.00, 22 at 70.00-90.00, 32 at 50.00-70.00, 4 quality loads under 50.00.

Timothy, 16 at 70.00-93.00, 9 at 60.00-70.00, 1 at 51.00.

Clover, 3 at 49.00-65.00; Mixed Grass, 70.00-78.00; Straw, 17 at 75.00-93.00, 31 at 60.00-75.00, 5 under 60.00.

Ear Corn, 75.00-80.00, 1 at 66.00. Shelled Corn, 1 at 2.60 bu.

Corn Fodder, 1 at 40.00; Oats, bagged, 1.50-1.65 bu. bulk, 1 ld. 1.45.

Firewood, 6 loads, sm. pick-up, 49.00-60.00 ld.

Vintage Hay And Straw

Vintage Sales Stables
Thursday, Jan. 2
Report supplied by auction

Timothy, 64.00-69.00; Timothy and Clover, 56.00-70.00; Alfalfa and Grass, 59.00; Alfalfa, 60.00-85.00.

Wheat Straw, 71.00-74.00; Oats Straw, 67 00; Corn Fodder, 42.50-50.00.

King's Hay

Kirkwood, Pa.
Tuesday, Dec. 31
Report supplied by auction

Alfalfa, 51.00-100.00, 1 at 41.00; Alfalfa Mix, 49.00-89.00; Clover & Clover Mix, 62.00-81.00; Timothy & Mix, 70.00-87.00.

Meadow Grass, 65.00; Mixed Hay, 67.00-72.00; Straw, 64.00-89.00; pick-up load wood, 33.00.

Central U.S. Carlot

Beef Report
Thur., Jan. 2
Report supplied by USDA

Central U.S. Carlot Beef Report Includes The Major Production Areas In The Midwest, Texas, And Oklahoma. As Of 4:00 P.M.

Compared to Tuesday's 4:00 P.M. report: Steer and heifer carcasses steady to weak, except $1.00-2.00 lower on 400-550 lb. choice 3 heifers. Demand light, movement and supplies light to moderate.

The gross boxed beef carcass cutout value declined $1.39 to an estimated $102.19 per cwt, 98 loads boxed cuts reported.

Sales reported on 58 loads of steer and heifer carcasses.

Steer Beef
24 Loads
FOB Omaha Basis

Choice 3 600-900 lbs. 98.00, steady-weak.

Choice 4 600-900 lbs. 87.00, no comparison.

Good 2-3 600-900 lbs. 92.00, steady.

Gd 2 & Lo 3 600-700 lbs. 93.00-95.00, steady.

Choice 2-3 600-900 lbs. 87.50 (hols type), steady.

Good 2-3 600-900 lbs. 82.50 (hols type), steady.

Amarillo Basis

Choice 3 600-900 lbs. 98.00.

Heifer Beef
34 Loads
FOB Omaha Basis

Choice 3 550-700 lbs. 96.00, steady-weak.

Choice 3 500-550 lbs. 90.00-91.00, late 90.00, 1.00-2.00 lwr.

Choice 3 400-500 lbs. 88.00-89.00, late 88.00, 1.00-2.00 lwr.

Choice 4 500-700 lbs. 87.00, steady.

Good 2-3 550-700 lbs. 90.00, steady.

Ge 2 & Lo 3 600-700 lbs. 92.50-93.00.

Amarillo Basis

Choice 3 550-700 lbs. 96.00.

Cow Carcasses:
12 loads

Midwest: Prices steady to $1.00 lower.

Sales in the Midwest Production Area:

Omaha Basis

Brk Utlty 2-3 450/up lbs. 60.00-61.00.

Bng Utlty 1-2 400/up lbs. 62.00-63.00.

Cutter 1-2 350/up lbs. 67.00-69.00.

Cutter 1-2 400/up lbs. 70.00.

Boneless Processing Beef
Beef Trimmings
46 loads
Omaha Basis

50% Chem Lean Fresh 40.00.

Eastern Texas and Oklahoma Production Areas:

90% Chem Lean Fresh 100.00.

90% Chem Lean Frozen 101.00.

85% Chem Lean Fresh 93.00.

75% Chem Lean Frozen 80.00.

50% Chem Lean Fresh 41.00.

Compared To Last Friday: Steer and heifer carcasses steady except 400-550 lb. choice 3 heifers $3.00 lower.

Boxed beef carcass cutout value declined $1.40 per cwt.

Cow carcasses mostly $1.00 lower.

48% Soybean Meal, $199.90
Distillers Grains, $159.90
* Per Ton Delivered *
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SPECIAL NOTICE
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Every Thursday at 1 p.m.
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L. Robert Frame, Sr., Manager

NEW HOLLAND SALES STABLES, INC. - THE ACTION AUCTION

MONDAY

FAT HOGS

EARLY BIRD HOG SALE
7:30 AM
For Your Protection Your Hogs Must Be Identified

10:00 AM

HORSES MULES

11:00 AM

HAY
STRAW
GRAIN

1:30 PM

BEEF SALE
CALF, SHEEP, GOATS.

WEDNESDAY

12:00 NOON

DAIRY COWS

HEIFERS, BULLS
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12 Miles East of Lancaster
on Route 23, New Holland, Penna
The Action Auction
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Mgr - Abe Diffenbach - 717-393-4464
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SPECIAL CONSIGNMENTS FOR
Wed., January 8, 1986
FEEDER PIG SALE
10 Bred Gilts & Sows
2 White Kleenleen Boars, Used 1 Yr.

We endeavor to keep our barns cleaner than yours. State graded until 12 Noon

THURSDAY

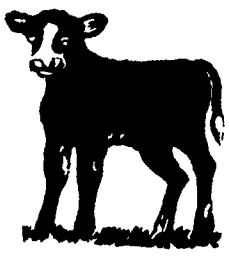
11:00 AM

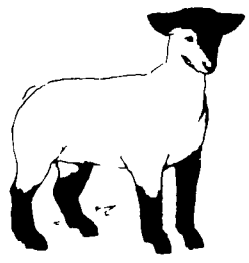
BULLS -

STEERS -
BEEF COWS

3:30 P.M.

CALVES





SHEEP
GOATS

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Livestock market and auction news

New Wilmington Livestock

New Wilmington, Pa.,
December 30, 1985
Report supplied by PDA

CATTLE 243. COMPARED WITH LAST WEEK'S MARKET: SLAUGHTER COWS STEADY...Few Choice slaughter steers 61.25-63, Good 54.75-60, Standard 47.50-53.50, Utility 40-45.75...Few Choice heifers 56.75-59.75, one at 62.75, One Good at 55.00, Standard 42.50-49.50, few Utility 36.00-40...Breaking Utility & Commercial slaughter cows 37.00-39, one at 40.00, few yield grade 4-5 34.75-36.50, Cutter & Boning Utility 33.50-37.50, Canner & Low Cutter 24.50-33.50, Shells down to 12.50...One Standard slaughter bullock at 44.00, few Utility 39.75-41.50...Couple Yield Grade No. 1 1435 lbs. slaughter bull at 43.75 and 1480 lbs. at 44.00; one #2 1120 lbs. at 37.25.

FEEDER CATTLE: Few Medium Frame #1 330-500 lbs. steers 49-55.50, few Medium #2 330-600 lbs. 40-46.50...Few Medium Frame #1 375-600 lbs. heifers 40.00-46, few Medium & Large Frame #2 350-650 lbs. 34.00-38.00.

CALVES 356...Few Choice vealers 89.00-96, few Good 69.00-81, Standard & Good 90-125 lbs. 38.00-48, 65-85 lbs. 23.00-38, Utility 50-90 lbs. 10.00-25.00...FARM CALVES: Holstein Bulls 95-135 lbs. 68.00-102.50, few down to 50.00, couple lots Holstein Heifers 104 lbs. at 60.50, lot 120 lbs. at 61.50.

HOGS 421...Barrows and gilts about steady...US No. 1-2 210-245 lbs. barrows and gilts 46.00-47.35, No. 2-3 210-255 lbs. 45-46.50, No. 2-4 215-260 l bs. 42.00-45, No. 1-3 180-200 lbs. 37.25-40...Sows steady to strong...US No. 1-3 3-680 lbs. sows 35-40.50, few No. 2-3 3-545 lbs. 32-35.25...Boars 25.00-29.75.

FEEDER PIGS 47...US No. 1-3 10-20 lbs. feeder pigs 13.00-17, 35-45 lbs. 30.00-35, Utility 50-60 lbs. 21.00-25 - all per head.

SHEEP 125...High Choice & Prime 100-125 lbs. wooled slaughter lambs 55.00-65, Choice 85-100 lbs. 55.00-67, Good & Choice 60-85 lbs. 65.00-74.50. Few Slaughter ewes 5.00-20.00.

Omaha Weekly

Thursday, Jan. 2
Report Supplied by USDA

CATTLE: Slaughter steers and heifers sold steady to 50 cents lower this holiday shortened trading week. Bulk of trading took place early in the week with only minimal numbers on offer Tuesday. A holiday disrupted kill week coupled with fairly generous direct purchases were primary reasons for lower prices. Carcass beef prices held steady through Tuesday. Slaughter cows 50-1.00 lower. Bulls steady.

Estimated 4 day receipts of cattle this week 5,400 compared to actual 4 day receipts last week of 2,871 and actual 5 day receipts last year of 4,349. Slaughter steers accounted for 41 pct of receipts this week, slaughter heifers 47 pct, slaughter cows 8 pct and feeder cattle 3 pct.

SLAUGHTER STEERS: Choice 2-4 1050-1350 lbs. 62.50-64.00. Mixed good and choice 2-3 1050-1250 lbs. 61.00-62.50. Good 60.00-61.00. Choice 2-3 1300-1500 lb. holsteins 54.50-55.00, part load 57.00. Mixed good and choice 2-3 1300-1550 lbs. 50.50-55.00.

SLAUGHTER HEIFERS: Choice 2-4 950-1150 lbs. 61.00-62.50, few packages totaling near a load 63.00. Mixed good and choice 2-3 950-1050 lbs. 60.00-61.50, good 57.50-60.00.

Average of LS 214 detailed price quotations for choice 900-1100 lb. steers 61.75, 1100-1300 lbs. 63.00. Average cost of slaughter steers this week 62.19, average weight 1195 lbs. compared to 62.52 and 1175 lbs. last week. Avereage cost of slaughter heifers this week 61.20, average weight 1063 lbs. compared to 61.03 and 1083 lbs. last week.

SLAUGHTER COWS: High cutter and boning utility 1-3 32.50-34.00, few high dressing to 35.25. Canner and low cutter 29.00-32.50.

SLAUGHTER BULLS: Few 1-2 1300-2000 lbs. 42.25-45.50.

New Holland Dairy

New Holland Sales Stables
Wednesday, Jan. 1
Report supplied by auction

Reported receipts of 80 cows, 59 heifers, and 21 bulls

Market lower

Load of PA fresh cows, 560.00-660.00.

Load of PA fresh cows, 510.00-885.00, springers 660.00-860.00.

Load of PA fresh cows, 530.00-725.00.

Load of Wisc. fresh cows, 775.00-875.00.

Load of NY fresh cows, 700.00-1200.00.

Load of PA fresh cows, 580.00-1200.00.

Locally consigned cows 435.00-860.00.

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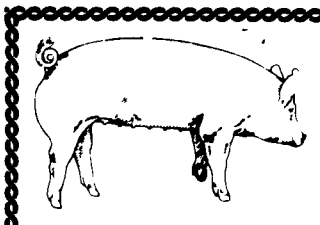

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Livestock market and auction news

Morrison Cove Livestock

Martinsburg, Pa.
December 30, 1985
Report supplied by auction

CATTLE 172. High Ch. & Pr. sl. steers 63.50-64.25, Choice 60.50-62.75, Choice 57.00-59.50, High Good & Low Ch. 54.25-56.50, Good 47.00-52.75, Good & Choice holsteins 50.50-54.00, Standard 42.25-48.75, Utility 40.50-45.00. Choice sl. heifers 59.25-61.00, Good 54.50-57.00, Standard 48.00-53.25, Utility 39.25-45.25. Breaking Ut. & Commercial sl. cows 40.25-42.25, Cutter & Boning Ut. 37.00-39.50, Canner & Low Cutter 33.25-36.50, Shells down to 14.00. Choice sl. bullocks 48.00-50.75, Good 45.00-47.50, Standard 42.00-44.50, Utility 37.00-40.50.

FEEDER CATTLE: Steers Good 52.00-56.00, Standard 38.00-46.00, Heifers Good 51.00-53.50, Standard 41.00-48.00, Bulls Good 46.00-51.00, Standard 37.00-44.00.

CALVES 255. Choice 78.00-86.00, Good 68.00-74.00, Standard 53.00-64.00, Standard & Good 80 lb. to 120 lb. 41.00-44.50, Utility 40-60 lbs. 36.00-39.00.

FARM CALVES: Holstein Bulls 90-130 lbs. 80.00-106.00, Holstein heifers 95-130 lbs. 45.00-58.00.

HOGS 199. US No. 1-2 220-240 lbs. barrows and gilts 49.00-49.75, No. 1-3 210-250 lbs. 48.00-48.75, No. 2-3 200-260 lbs. 46.00-47.75. US No. 1-3 350-600 lbs sows 40.50-42.00, No. 2-3 350-600 lbs. 37.00-39.50. Boars 27.25-29.00, Light weights 29.25-30.50.

FEEDER PIGS 24. US No. 1-3 15-25 lbs. feeder pigs 17.00-22.00 per head, No. 1-3 30-40 lbs. 24.00-28.00, No. 1-3 50-60 lbs. 31.00-36.00.

SHEEP 4. Slaughter ewes 21.00-26.00 GOATS One Goat at $35.00.

Eighty-Four Livestock

Eighty-Four, Pa.
Monday, Dec. 30
Report supplied by PDA

CATTLE 277. Compared with last week's market: Slaughter cows weak to 25 cents lower...Couple Choice slaughter steers 61.00&63.25, few Good 55.00-60, Standard 44.00-53, Utility 37-43.75...Few Good slaughter heifers 49-51.50, Standard 40.50-47.50, Utility 34.50-41...Breaking Utility & Commercial slaughter cows 34.50-38, few 39.75, Cutter & Boning Utility 32.00-35, Canner & Low Cutter 25-32.25, Shells down to 18.00...Couple Good slaughter bullocks 49.00&50...Yield Grade No. 1 1050-1820 lbs. slaughter bulls 43-47.25, #2 900-1400 lbs. 37.50-40.50.

FEEDER CATTLE: Medium Frame #1 425-650 lbs. steers 47.00-56...Medium Frame #1 370-580 lbs. heifers 41.00-48.00.

CALVES 231...Few Choice vealers 94.00-108, Good 67.00-81, Standard & Good 90-120 lbs. 41.00-52, 60-85 lbs. 35.00-44, Utility 55-85 lbs. 25.00-36. Farm Calves: Holstein Bulls 98-125 lbs. 90.00-120, 85-95 lbs. 70.00-90.00.

HOGS 123...Barrows and gilts steady to weak...US No. 2-3 210-255 lbs. barrows and gilts 46.00-47, few No. 2-4 260-280 lbs. 40.00-44...US No. 1-3 350-600 lbs. sows 37.00-41, No. 2-3 3-550 lbs. 40.00-44...US No. 1-3 350-600 lbs. sows 37.00-41, No. 2-3 3-550 lbs. 36-37.50...Boars 24.00-26, few down to 20.

SHEEP 112...Fully $1 lower...Choice 70-100 lbs. wooled slaughter lambs 62.00-69, Good & Choice 50-70 lbs. feeder lambs 60-61.50...Slaughter sheep 26.00-31...GOATS 12: 15.00-46 per head.

FEEDER PIGS 26...US No. 1-3 55-70 lbs. feeder pigs 30.00-35, few Utility 24-30 lbs. 15.00-17 - all perhead.

Jersey Shore, Pa.

Thursday, December 26
Report Supplied by Auction

Return to Farm Calf 55 00-83.00
Good Veal 50.00-60.00.
Common Veal 35.00-49.00
Choice Steers 64.00-69.25.
Good Steers 55.00-63.00.
Common Steers 44.00-54.00.
Commercial Cows 36.25-40.00.
Canners-Cutters 33.00-36.50.
Shells 25.00-32.00.
Choice Heifers 61.00-65.00.
Good Heifers 54.00-60.00.
Common Heifers 37.00-53.00.
Good Feeders 44.00-55 00
Common Feeders 35.00-44.00.
Bulls 44.00-52.00.
Good Hogs 44.00-47.00.
Sows 31.25-33.25.
Eggs 71.00-85.00

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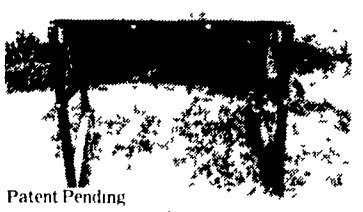

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50 to 60 Head
Now selling our new hybred gilts representing mostly York & Hampshire & Landrace cross. Bred for easier & Less trouble over farrowing and better weight gains.

18 HEAD DUE BETWEEN JAN. 20 & FEB. 10
Plus just starting 16 head of a new cross coming now in '86. Large White & Landrace. First generation true F1 gilts from these 2 purebred lines. Brought in from Minnesota from Lieske Bros.

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No Hogs Sold On Commission

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JOHN B. STOLTZFUS
R.D 1, Kirkwood, Pa

Abe Diffenbach, Auctioneer AU225L
NEXT SALE DATE FEB 14

Livestock market and auction news

VIRGINIA MARKETS

Shenandoah Valley Livestock

Harrisonburg, Va.
Saturday, Dec. 28
Report supplied by auction

FEEDER CATTLE: Trend- No trends. STEERS: M&L-1 500-700 lbs. 58.00-64.00, 700-1000 lbs. 53.00-56.50. S-L&M&L-2 500-700 lbs. 57.00-58.00, 700-1000 lbs. 50.50-53.00.

FEEDER BULLS: S-L&M&L-2 300-500 lbs. 51.00-52.00.

HEIFERS: M&L-1 300-500 lbs. 1 lot of 7 at 51.00, 500-700 lbs. 45.00-48.50. S-L&M&L-2 300-500 lbs. 41.00-44.50, 500-700 lbs. 41.50-47.50.

STOCK COWS: Baby Calves 20.00-90.00 mostly 30.00-55.00.

SLAUGHTER COWS: Utility & Commercial 2-4 31.00-39.75; Canner & Cutters 1-3 28.25-32.00.

SLAUGHTER BULLS 1 & 2: 41.00-46.00.

LAMBS: Red O. Choice Few at 63.00; Feeder Lambs Choice Few at 66.50; Slaughter Ewes Few 16.50-22.00; Head Ewes 34.00-40.00.

HOGS: US 1-3 200-240 lbs. Few 47.25; Sows 1-3 Few 35.50-39.50; Boars 1 at 23.75.

SLAUGHTER CALVES: Good & Choice 46.00-55.50.

Farmers Livestock Auction

Duncansville, Pa.
December 30, 1985
Report Supplied by PDA

CATTLE 209. High Ch. & Pr. sl. steers 62.50-63.75, Choice 60.50-61.75, High Good & Low Ch. 60.00-61.25, Good 56.50-59.25, Good & Choice holsteins 45.00-52.25, Standard 40.00-42.75, Utility 36.50-40.00. Choice sl. heifers 57.50-61.75, Good 54.50-56.75, Standard 42.50-46.50, Utility 35.00-41.50. Breaking Ut. & Commercial sl. cows 37.50-42.25, Cutter & Boning Ut. 36.00-38.75, Canner & Low Cutter 32.50-36.75, Shells down to 22.50. Choice sl. bullocks NONE, Good 45.00-47.25, Standard 40.50-43.25, Utility 35.00-41.00. Yield Grade No. 1 1200-1800 lbs. sl. bulls, 44.50-47.75, Yield Grade No. 2 1100-1500 lbs. 38.75-42.00.

FEEDER CATTLE: Steers Good 51.50-54.00, Standard-35.00-44.00, Heifers Good 42.50-46.50, Standard-32.50-44.00, Bulls-Good 45.00-51.00, Standard-31.00-42.50.

CALVES 217. High Ch. & Pr. 82.50-86.00, Choice 75.00-81.50, Good 65.00-72.00, Standard 45.00-58.50, Standard & Good 90 lbs. to 130 lbs. 41.50-60.50, Utility 50-75 lbs. 30.00-40.50. Holstein Bulls 90-130 lbs. 72.50-109.00, holstein heifers 90-130 lbs. 44.00-58.00.

HOGS 83. US No. 1-2 200-245 lbs. barrows and gilts 48.50-49.50, No. 1-3 210-255 lbs. 48.00-49.25, No. 2-3 210-250 lbs. 47.00-48.50. US No. 1-3 300-600 lbs. sows 38.50-40.50, No. 2-3 300-600 lbs. 36.50-38.00. Boars 27.50-29.50, Light weights 30.00-32.00.

FEEDER PIGS 11. US No. 1-3 40-60 lbs. feeder pigs 24.00-26.50 per head, No. 1-3 30-35 lbs. 20.50-24.50.

SHEEP 12. Choice 90-100 lbs. 64.00-67.50 lbs. Slaughter ewes 18.50-24.00.

Valley Livestock

Athens, Pa.
Monday, December 30
Report supplied by auction

Holstein Hfr. Calves to 60.00.
Veal Calves no good veals.
Vealer Bull Calves 60.00-86.00.
Slaughter Calves 40.00-50.00.
Grassers & Feeders 34.00-45.00.
Lambs 50.00-60.00.
Sheep 20.00-35.00.
Hogs, 200 to 250 42.00-46.50.
Sows 32.00-36.50.
Boars 23.00-25.00.
Pigs, each 12.00-41.00.
Heifers 36.00-43.25.
Steers 40.00-46.25.
Steers, feeder 36.00-50.00.
Bulls 38.00-47.00.
Cows, utility 37.00-41.00.
Cows, fat 36.00-40.00.
Cows, medium 32.50-34.00.
Cows, poor or small 25.00-31.00.
Cattle Market steady.
Calf Market steady.
Horses None.
Ponies None.
Goats each 15.00-40.00.
Hay: 60.00-65.00 per ton.

Remarks: Thanks for your 1985 business. We hope to serve you well in 1986.

Feeder Sale 1st Monday of Each Month.

Dairy Sale 3rd Thursday of Each Month.

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RD 4, Danville, PA

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- We will also accept your sows & boars.
- Your cattle will be received from 12:30 to 5 P.M. We will either pay you for your cattle immediately or you may sell them dressed weight.
- There will not be a commission or yardage fee deducted from your check.
- You may call our office Monday morning and we will be able to tell you the base price for hogs for the day.

MELVIN M. LEHMAN - Owner
Danville Buying Station
Phone: 717-275-2880

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EVERY THURSDAY **MOYER PACKING CO.** WILL RECEIVE YOUR CATTLE
AT THE
BLAIR-BEDFORD BUYING STATION
RD #1, Martinsburg, PA

- Every Monday we will receive your hogs from 7 30 a m to 11 a m Also calves from 7 30 a m to 3 p m Your animals will be weighed & paid for immediately
- We will also accept your sows and boars
- Your Butcher Cattle & Calves will be received from 8 a m to 12 noon every Thursday We will either pay you for your cattle immediately or you may sell them dressed weight
- There will not be a commission or yardage fee deducted from your check
- You may call our office Monday mornings and we will be able to tell you the base price for hogs for the day

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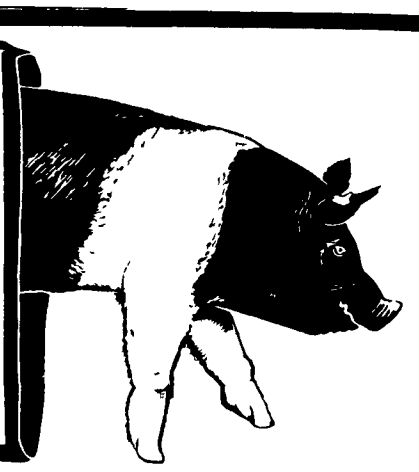

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NOW IS THE TIME

By Jay Irwin

Lancaster County Agriculture Agent
Phone 717-394-6851

To Be A Better Manager

As we look ahead to 1986, it is difficult to realize just what major problems will confront the average farmer. It remains to be seen what affect the new Farm Bill will have on agriculture. However, it is evident that profits will be more difficult to realize and some very good management will be needed to come out in the black.

Today's farmer must be a better businessman than his forefathers. A farmer must be able to handle labor, money, equipment and keep up-to-date on all regulations and cultural practices.

A farmer must be able to plan ahead and to be organized with all the responsibilities. A farmer should practice good public relations with neighbors and respect the rights of others.

Good management is just as important in farming as it is in any other industry or business. Work at it and it will pay dividends.

To Attend Farm Show Events

Time has a way of creeping up on us, and here it is...nearly Farm Show time. The Farm Show will open again this year on Sunday, Jan. 12 and close on Friday, Jan. 17. The theme for the exhibition is "Pennsylvania Agriculture — Growing Ideas For The Future."

Well, we are proud of our agriculture because of the hard work of our family-operated farms. And here is an opportunity for our farmers to show the consuming public the high-quality products raised on our farms today.

Active farmers should recognize the many educational meetings and banquets that are held during the week. Many of these are statewide organizatons and should have eonomic benefits to the producer.

To Be Sure Ice Is Safe For Skating

Farm ponds make great ice skating rinks...that's so long as the ice is strong enough. The general rule on thickness is that two inches will support one person and three inches will support a line of people.

Thickness is not always the most accurage guide though. Other factors include color and age. New ice is stronger than old ice. And clear blue ice is stronger than slush ice. Be especially cautious with ponds that are either fed by a spring or have a fast moving current. The thickness of these ponds will vary considerably.

The most important thing is to have rescue equipment at the pond site. It is wise to have a straight ladder, rope and inner tube nearby — it could save a life. I would urge owners of farm ponds to use caution in permitting skating unless the ice is thick enough.

To Move Farm Equipment Safely

As farm equipment has gotten bigger and taller, a new hazard has appeared. Cabs on larger tractors or combines may approach heights equal to ground clearance of high voltage electrical lines. Accidental contact between equipment and the electrical line can be fatal for the operator.

This is especially hazardous where long spans cross fields, creating considerable sag at mid-span. CB antennas or other additions to large equipment are almost certain to create a potential hazard of contact with the electrical line.

Wide equipment, such as planters or tillage equipment, folded up for transportation, can also reach heights that are dangerous. Also be careful when moving portable elevators. Instruct all operators and other workers about this hazard and how to avoid danger.

THE BIBLE SPEAKS

BY LAWRENCE W. ALTHOUSE

WHAT ARE YOU WORTH?

January 5, 1986

Background Scripture:
Matthew 10:28-31, Mark 2:23 through 3:6.
Devotional Reading:
Luke 13:10-17.

They used to say that the human body, calculated strictly on the basics of the value of its various chemical components, is worth about 97 cents. Of course, with inflation being what it is today, I'm sure that that figure would have to be recalculated upwards.

Someone else might respond to the question of "What are you worth?" with a statement of capital net worth–a reflection of what they own. Another measure of your value might be indicated by the face amount of an insurance policy your employer might take out on you to insure against the premature loss of your value to the company.

OF MORE VALUE

Of course, your value to some people cannot be stated in dollars and cents. No amount of money can compensate a husband or wife for the loss of a spouse, or children for the loss of a parent. Your worth to some people is incalculable.

So it is with our value to God. One of the greatest revelations about God which comes to us from Jesus is the assurance that each of us is valued by God. Lots of people do not find it difficult to believe in a Creator who brought the universe into being and guides it to some predetermined destiny. What they find difficult is the concept that the Creator of the solars systems and the galaxies could possibly be aware of, let alone care about individuals.

Yet, this is the precise assurance Jesus give us: "Are not two sparrows sold for a penny? And not one of them will fall to the ground without your Father's will" (Matthew 10:30). If God is aware of and responsive to so small and frail a creature as a sparrow, how much more must he care for each and every one of us?

This one teaching alone turns belief in a God into a belief in the God who is revealed in Jesus Christ. For the God that Jesus reveals to us is God our Father and not just God the Creator. It not only tells me something about God, but it also tells me that this world in which I live is in essence a benevolent one–or in the jargon of the computer, "user friendly." It is not just a cold, impersonal cosmos, but a universe that despite its harsh appearance, is essentially founded upon love.

MADE FOR MAN

It also tells me something about myself–and yourself, too–for it reassures me that in God's eyes I count. I cannot comprehend why it should be so, but God loves me–as he loves you, as he loves my enemies. In fact, he loves us so much that everything else he has created is for us. Even the rules and regulations, including the scientific laws which often seem so impersonal and even hostile, are created for us and our enrichment. The sabbath, the Ten Commandments, the Golden Rule–all of these and more were given, not to penalize us, but to enrich our lives–all of us.

That's how much each of us is worth in God's eyes.

NFO head hits Farm Bill; calls for joint bargaining

CORNING, IA. — National Farmers Organization President DeVon R. Woodland, of Blackfoot, Idaho, commented, "The 1985 farm bill sets up producers of the major commodities and small business operators for continuation of the economic chaos now prevailing in most farm communities.

"Even our best mid-range owner-operators who depend solely on farm income are in deep trouble if they are carrying some debt. They need more cash flow to survive.

"This bill reduces CCC loan rates that support market prices. It implements the view that we can underprice other export competitors in the world market. Most of those countries subsidize their commodity movements, making it nearly impossible for our surplus production to move at prices profitable for the American producer.

"The bill contains a few commendable provisions that will encourage soil and water conservation. There are provisions discouraging more sodbusting and plough-up of wetlands.

"The dairy title of the bill authorizes a whole-herd sell-off program but establishes assessments on all milk marketed over the 18 months of the program to pay for this provision. The bill establishes new federal check-offs on all hogs and cattle going to market to pay for advertising and promotion. It is estimated that these provisions will cost livestockmen $150 million a year. They have no opportunity to vote on these promotional check-offs until about two years after the check-offs are effective.

"Although the Congress undertook to shore up cash income by maintaining deficiency payments on grains for two years, these too, will decline during the last three years covered by the bill. It is quite likely they will also be reduced in the first two years as a result of other new budget-balancing legislation known as the Gramm-Rudman-Hollings bill.

"The net effect of this bill will be public criticism for its high cost, increasing assistance for the exporters and central banks engaged in foreign lending, and more bankruptcies among our independent farmers and businessmen. It is now obvious that farmers must organize their own bargaining effort to control their marketings and cash flow if they are to survive in farming."

Farm Calendar

Saturday, January 4
Lebanon County Beef and Swine Roundup, Lebanon Fairgrounds.
Cumberland County Extension Farm Financial Management Workshop, Extension Building, Carlisle, 9:45 a.m.

Monday, January 6
Farm Business Agreement Meeting, York Extension Office, 7:30 p.m.

Friday, January 10
Pa. Association of Conservation District Directors "Year of the Forest" Forum, Grantville Holiday Inn, 10 a.m. to 3 p.m.

Saturday, January 11
Farm Show opens; continues through Friday. (See complete list of events in C section).

Sunday, January 12
American Farm Bureau Annual Meeting, Atlanta, GA.

Tuesday, January 14
Pa. Dairyman's Association Annual Meeting and Banquet, Penn Harris Motor Inn, Harrisburg. For tickets contact John Blyholder at 717-938-5404.

Democrats slate ag meeting

HARRISBURG — Democratic candidates for United States Senate will address Rural Democrats during Farm Show week in Harrisburg. Both Auditor General Don Bailey and Congressman Bob Edgar will be on hand to share their views on agricultural issues and to meet rural voters.

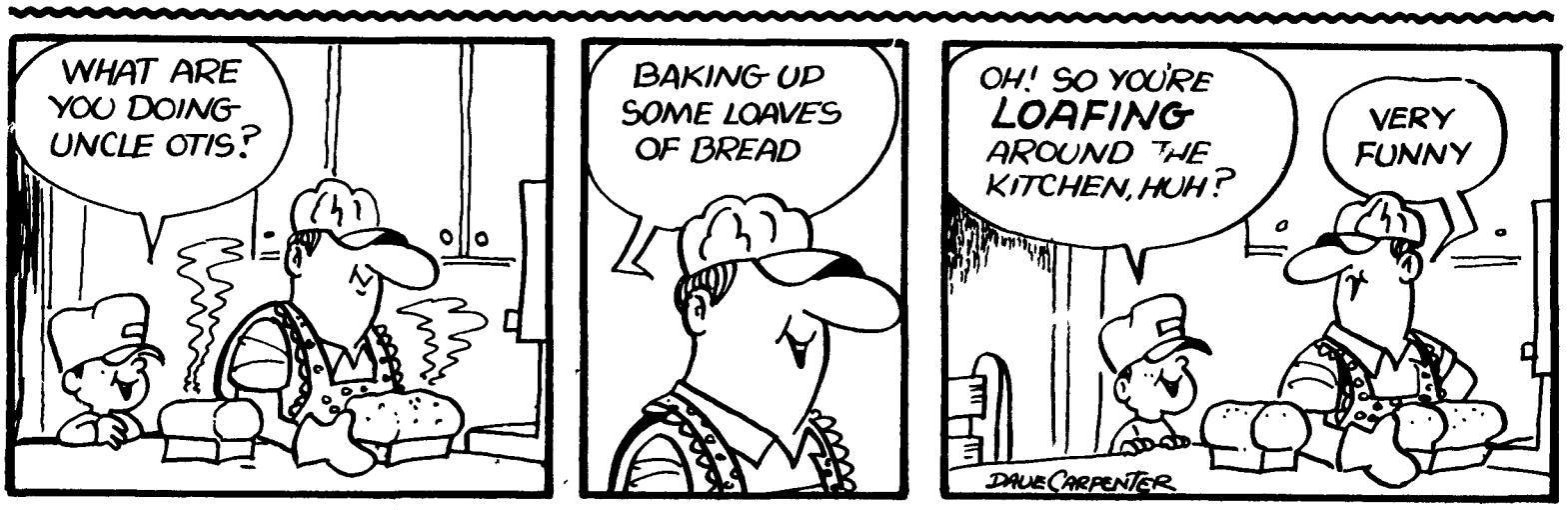
The event is part of the Annual Meeting of the Penn Ag Democrats taking place at noon in Dining Room C of the Farm Show Complex on Monday, January 13th. The Penn Ag Democrats is a statewide political action committee of farm and rural democrats organized for the betterment of agriculture. The group is recognized by the State Democratic Committee and has actively participated in campaigns since 1980.

Reservations for the meeting, which includes a buffet luncheon, are available through the organizations vice-president Warren Lamm. He can be reached at (717) 787-7083 (day), (215) 678-8326 (evening) or by writing RD #5, Box 371, Sinking Spring, PA 19608.

Egg production down two percent

HARRISBURG — Pennsylvania's November 1985 egg production totaled 407 million, more than two percent below the November 1984 production, according to the Pennsylvania Crop and Livestock Reporting Service. The average number of layers on hand during November 1985 was 18.9 million, the same as a year ago. Egg production per 100 layers was 2,155 compared with 2,209 for November 1984.

U.S. laying flocks produced 5.66 billion eggs during November, down one percent from the 5.74 billion produced a year ago. The total number of layers during November averaged 280 million, one percent fewer than the 283 million a year ago. November egg production per 100 layers was 2,020 compared with 2,022 eggs for November 1984.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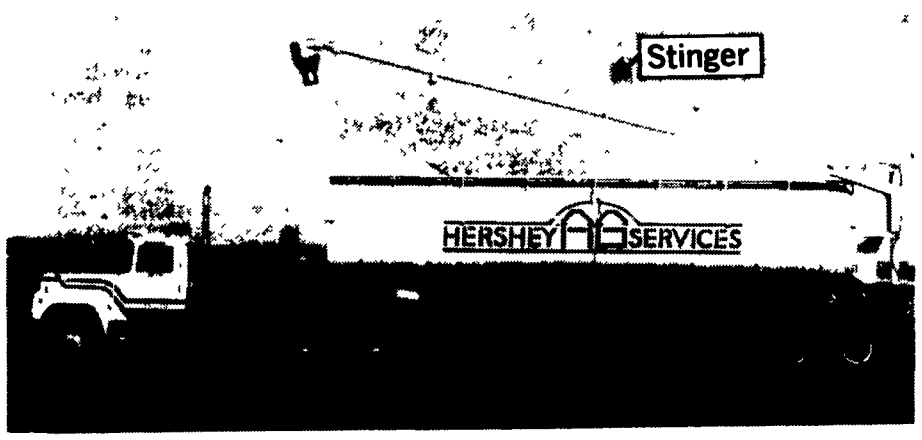

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Livestock market and auction news

Oklahoma Cattle

Tuesday, Dec. 31
Report Supplied by USDA

Cattle and Calves: Est. 3000
Same Day Last Week: No Sale

Feeder steers under 350 lb. 3.00-6.00 higher; 350-550 lb. 2.00-4.00 higher. Otherwise feeder trends not tested. Feeder trade active and demand good for represented offerings. Limited test slaughter cows and bulls steady to 1.00 lower, losing some of Mondays sharp advance. Slaughter cattle demand moderate. Feeder supply largely medium frame 1 250-525 lb. steers (mostly offered in large lots, several gaunt, condition & quality attractive). Cows and bulls near 4% of run.

FEEDER STEERS: Medium and large frame 1 210 lb. 86.00; 250-300 lb. 79.50-84.40; 300-350 lb. 72.95-83.25 bulk 76.50-81.00; 350-400# 73.50-78.00; 400-500# 70.00-75.10, 420# BWF 77.00; Load 500 lb. gaunt 70.50, small lots 500-560 lb. 62.50-65.30; Few lots 650-800 lb. 59.80-61.75. Medium and large frame mixed 1-2 299# 77.10; short-load 395# 71.90; few 300-475# 64.50-68.00. Medium frame 2 380# 58.25; 665# 57.50.

FEEDER HEIFERS: Medium frame 1 415 lb. 58.00; few 550-600# 55.50-55.75. Mixed small and medium frame 1 375-525# 55.00-56.25. Medium and large frame 2 few 375-600# 48.25-52.00.

SLAUGHTER COWS: Boning-Utility 1-2 34.70-37.25. Cutter 1-2 34.10-35.25. Canner and low dressing cutter 31.10-34.10.

SLAUGHTER BULLS: Y.G. 1 few 1700-1850# 47.00-47.75; 1235# thin 40.50.

Tuesday, Dec. 31

WEEKLY CATTLE SUMMARY: Feeder steers 200-350# 3.00-6.00 higher, 350-550# 2.00-4.00 higher. Trends not established on steers over 550# or on heifers in any weight range. Feeder supply largely medium frame 1 250-525# steers offered in large lots with grade, condition, and weigh-up attractive to buyers. Cattle suitable for feedlot purchases very scarce. Slaughter cows firm to 2.00 higher. Slaughter bulls firm to 1.00 higher. Light run of slaughter cattle, buyers competing for numbers available. Receipts this week near 3900 head; last weeks actual count 1584; Last years number 1274. Feeder steers and heifers comprised 87% of run: Cows and bulls 13%.

Medium and Large Frame 1: Feeder Steers 250-300# 77.00-84.50; 300-350# 73.00-81.00; 350-400# 70.75-78.00; 400-500# 70.00-75.00; 500-575# 62.50-70.50; 650-700# few 59.25-62.00; 700-800# few 59.80-61.60.

FEEDER HEIFERS: 300-500# few 55.00-59.50; 500-775# few 54.00-57.75.

SLAUGHTER COWS: Boning utility 1-2 34.75-38.75; Cutter 1-2 34.50-37.00; Canner & low-dressing cutter 29.20-34.20.

SLAUGHTER BULLS: Y.G. 1 1050-1500# 40.00-46.75; 1500-1850# 46.25-48.25.

Next Auction Here At Oklahoma City Monday, Jan. 6, 1986.

Joliet Cattle

Thursday, Jan. 2
Report Supplied by USDA

Sales this week about 1,100; last week 483; and year ago 584. Slaughter steers and heifers steady to weak compared with last Monday.

SLAUGHTER STEERS: Choice 2-4 1100-1400 lbs. 62.50-64.75. Mixed good and choice 2-3 1000-1250# 60.00-62.00.

SLAUGHTER HEIFERS: Choice 2-4 950-1100# 60.50-62.25. Mixed good and choice 2-3 850-1050# 57.50-60.00.

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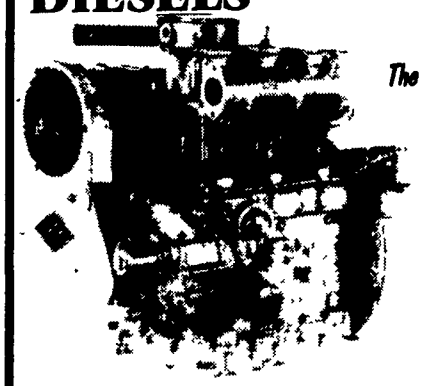

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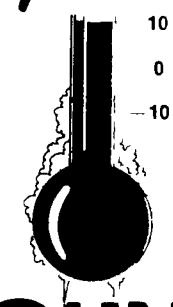
DEALER INQUIRIES INVITED

Is Your Barn Cleaner or Silo Unloader Ready for Winter???

Remember how cold it can get in January?



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NEW FOR '86

With this special, a serviceman will come to your farm this spring to:
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2. Inspect your unloader.
3. Show you if any parts need replacing.
4. Replace any parts at your approval.

(Second unloader is $35. Third unloader, etc. $25 each)
OFFER GOOD ON MOST UNLOADERS-OFFER EXPIRES MARCH 21, 1986
You can also ask about our stainless steel blower package Within a 50 mile radius

749 FEWER PARTS

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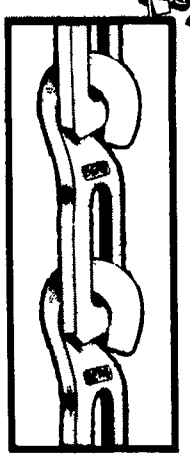

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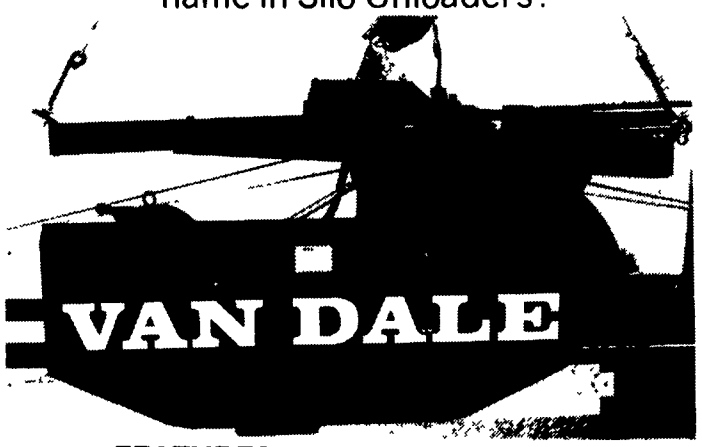

FEATURES
- Positive drive in loose and frozen material
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- Quicker change overs and increased silo capacity
- Steadier delivery of silage with less winch adjustment

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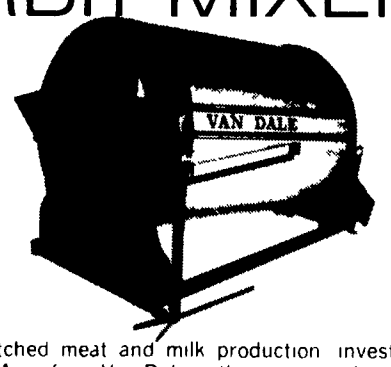

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- Non stop discharge for quicker operation
- Increased capacity with high volume scoops
- Flow control and twin hopper lids for operator convenience

THE OLD FARMER'S ALMANAC

JAN. 13-19, 1986
Starts cold, stays cold, grows old

Shake snow off evergreen shrubs to prevent breakage First quarter of the moon Jan 17 (Fri) Average length of days for the week, 9 hours 27 minutes President Eisenhower gave first televised press conference, Jan 19 1955 Boeing 737 crashed into Potomac River in Washington, D C killing 78, Jan 13 1982 U S bought Virgin Islands from Denmark for $25 million Jan 17 1917 James Joyce died Jan 14 1941 Humphrey Bogart on same day in 1957 *Silence oft becomes the wise master*

Ask the Old Farmer: Could you please tell me the superstition associated with sun-dogs or mock suns? I M Fitzwilliam, N H
No superstition about it! Sun-dogs either in the morning or at night indicate a change of weather As for their being 'mock suns' as you put it they look more like a chunk chopped out of a rainbow

Home Hints Add a pinch of cinnamon to ground coffee before brewing it for extra flavor

OLD FARMER'S WEATHER FORECAST

New England: Beginning of week cold, continued cold midweek with intermittent snow end of week snowstorm

Greater New York-New Jersey: Through midweek sunny and cold end of week rain with mild temperatures

Middle Atlantic Coastal. Partial clearing at beginning of week midweek cold end of week clear

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Central U.S. Carlot

Pork Report
Thur., Jan. 2
Report supplied by USDA

Central U.S. Carlot Pork Report FOB Omaha Basis (Includes the major production areas in the Midwest) as of 3:30 P.M.

Compared to Tuesday's 4:00 P.M. report: Fresh Pork Loins 14-18 lbs. $5.00-6.00 lower; 22/up lbs. steady; Skd Hams $3.00-4.00 higher; Sdls bellies steady to firm. Trade slow to moderate for light to moderate demand. Offerings light on sdls bellies, moderate on other items.

U.S. No. 2 175 lb. pork carcass cutout value declined $.72 to $62.73 per cwt.

Sales reported on 36 loads of fresh pork cuts and 4 loads of trimmings and boneless processing pork.

Fresh Pork Cuts

LOINS, REGULAR: 14-18 lbs. 92.00-95.00, load 91.00, 3.00-5.00 lower.

14-18 lbs. 101.00-102.00 shipping Jan. 9-14.

18-22 lbs. 91.50-92.00.

22&up lbs. 77.00, steady.

Picnics:

4-8 lbs. 59.00, generally steady.

Boston Butts

4-8 lbs. 88.00.

Spareribs

3.5&Dn lbs. 99.00 fresh.

3.5&Dn lbs. 99.00 frozen.

Skinned Hams

14-17 lbs. 62.00.

17-20 lbs. 63.00, 3.00-4.00 higher.

20-26 lbs. 61.00, 3.00-4.00 hgr than Monday.

26-32 lbs. 58.00.

32/Up lbs. 57.00.

Bellies
(Sdls., Skin On)

14-16 lbs. 57.00, firm with Monday.

16-18 lbs. 55.50, generally steady.

Bellies
(Sdls., Skin On Frozen)

10-12 lbs. 50.00-50.50.

14-16 lbs. 59.00.

16-18 lbs. 52.50.

Pork Trimmings
Boneless Processing Pork
(Chemical Lean)

42% Lean Trmgs Fresh 37.00.

42% Lean Trmgs Frozen 36.00.

72% Bnls Picnics Fresh 79.00, steady to 2.00 lower.

Cured and Processed Pork:
Smoked Hams
(Water Added)

16-19 lbs. 74.00-81.00.

19-23 lbs. 72.00-80.00.

Picnics:

4-7 lbs. 68.00-76.00.

No. 1 Bacon

1 lb. pack 119.00-152.00.

Compared To Late Last Week: Fresh pork loins 14-22 lbs. $15.00-18.00 lower, 22&up lbs. steady; Picnics $7.00 higher; Spareribs 3.5/Dn lbs. steady; Skd hams uneven, 14-17 lbs. $3.00 lower, 17-26 lbs. steady to $1.00 higher. Sdls Bellies generally steady.

East Coast Carlot

January 2, 1986
Report supplied by USDA

East Coast Carlot meat trade delivered prices (CAF) Boston to Washington area include.

Compared to Tuesday's close: Post holiday trading is slow to develop. Special fed veal generally steady in a light test. Good and choice boning veal steady to 2.00 higher; no comparison for inshipped lamb unestablish with a steady to firm undertone. No comparison for boneless beef.

Veal Carcass
Choice & Prime
(Special Fed)
Hide On 170 Head

200-280 lbs. 173.00-176.00, generally steady.

Good and Choice
Boning Type
Hide On 400 Head

NORTHEASTERN SUPPLIERS: 65-75 lbs. 70.00, steady 2.00 higher; 55-64 lbs. 68.00; 45-54 lbs. 66.00; 35-44 lbs. 64.00; 34 lbs. down 62.00.

Inshipped
800 Head

71-80 lbs. 68.00, no comparison; 61-70 lbs. 66.00; 51-60 lbs. 64.00; 41-50 lbs. 62.00; 30-40 lbs. 60.00.

Lamb Carcass
Choice and Prime
Unestablished
Loads
Boneless Beef
1 load
(US and Canadian Origin)

85 Pct Chem Lean, Fresh 96.00, no comparison.

Compared To Last Week: Trading and demand is moderate. Special fed veal steady to 1.00 higher. Good and choice boning veal steady to 3.00 lower; inshipped 2.00 to 5.00 lower. Carcass lamb unestablished with boneless beef and beef trimmings.

Carlisle Livestock

Carlisle, Pa.
Tuesday, Dec. 31
Report supplied by auction

CATTLE: Steers: Good & Choice Holsteins 53.00-55.00; High Yield 37.00-37.75; Good 35.50-36.75; Medium 33.50-35.25; Big Middle 33.00-37.25; Shelly 32.50-Down; Medium 45.10-46.00.

FEEDER CATTLE: Medium-Good 45.00-53.00. Heifers- Good 42.00-46.00; Medium 39.00-41.00. Bulls- Choice 57.00-61.00; Medium 34.00-39.00.

VEAL CALVES: Choice 80.00-104.00; Good 65.00-79.00; Medium 50.00-64.00; Light/weak 49.00-Down; Farm Bulls 80.00-109.00.

HOGS: (US No. 1-3) 210-250 lbs. 45.35-47.00; over 300 lb. 36.00-37.50; 2 & 3's 40.25-43.00.

SOWS: Over 450 lb. 37.00-39.00; under 450 37.00-39.25; 2 & 3's 34.75-36.75; Boars: Heavy 27.50-28.50; Light 32.00-34.00.

FEEDER PIGS (20-30 lbs 19.00-21.00); (35-45 lbs. 37.00-39.00).

SHEEP: Choice to 72.00; Good 60.00-63.00; Ewes 27.00-30.00 lbs. Goats: (Lg) 43.00-50.00; (hd) Sm./Med. 28.00-33.00.

Next State Graded Feeder Pig Sale: Friday, Jan. 10th, 1:30 p.m.

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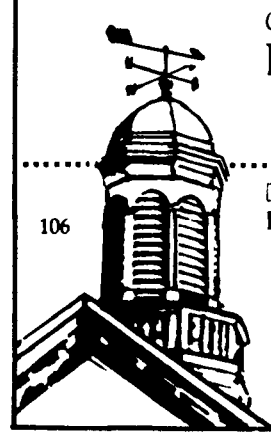

106

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Philadelphia Wholesale Fruit and Vegetable Report

Monday, Dec. 30, 1985
Report Supplied by USDA
FRUIT

APPLES: ABOUT STEADY. Ctn. tray pack, WA Red Delicious WaExFcy 88s 19.50, 113s 17.50; USExFcy 88s 18.50-20.00, 100s 18.00, 113s 15.50-17.50; USFcy 113s 13.50, 138s 11.50; Golden Delicious WaExFcy 88s 25.00, 100s 16.50-18.00, 113s 15.50, 125s 14.50; USExFcy 113s 14.50; VA Comb USExFcy-Fcy Red Delicious 56-100s 10.00-11.00, 113s 9.00, 125s 8.00; NJ Comb USExFcy-Fcy Red Delicious 56-100s 10.00-11.00, 113s 9.00, 125s 8.00; Granny Smith 100s 11.00-12.00, 113s 10.00, 125s 8.00; ID Red Delicious USExFcy 64-72s 18.50-20.00, 125s 14.50; MI Red Delicious USExFcy 88s 13.50, 100s 13.00; PA Comb USExFcy-Fcy Red Delicious 56-100s 10.00-11.00, 113s 9.00, 125s 8.00; Stayman 64-100s 12.00-13.00, few lwr; FRANCE Granny Smith 88-100s 20.00; 12-3 lb film bags 2¼" min USFcy PA Red Romes 6.00-7.20 Red & Golden Delicious 6.60-7.20; VA & WV Red Romes, Golden & Red Delicious 6.60-7.20; NJ Red Romes, Golden & Red Delicious 6.60-7.20; NY MacIntosh 7.20; MASS MacIntosh 6.60-7.20; ½ buhmprs loose NJ no size or grade mark Winesaps 3.00; Red Romes 2.50.

GRAPES-TABLE: CA 23-lb lug Emperor 9.00-11.00, mos 10.00; Ruby Seedless film bags fair cond 7.00-8.00; 20-lb lug wrpd Ribiers 13.00-16.00.

STRAWBERRIES: SLIGHTLY LOWER. FL 12-1 pt flats med 16.00-18.00, mos 18.00.

VEGETABLES

ASPARAGUS: SUPPLIES INSUFFICIENT TO QUOTE.

BEANS-GREEN: SUPPLIES LIGHT. Various bushel containers Round Green type unless otherwise stated, FL including handpicked 15.00-19.00, mos 18.00, few hgr; MEXICO Kentucky Wonder type 14.00-16.00, mos 14.00-15.00.

BEANS-LIMA: NO SUPPLIES.

BEETS· ABOUT STEADY. TX crt bchd 12s 6.50; NJ bubkts topped 6.00-7.00.

BROCCOLI: LOWER. CA ctn bchd 14s 11.00-13.00, mos 11.00-12.00, 18s 12.00-13.50; TX ctn bchd 10.00-11.00, mos 10.50, 18s 11.00; AZ ctn bchd 14s 12.00, 18s 12.50.

BRUSSEL SPROUTS: CA 25-lb ctn loose 9.00-10.50, few hgr.

CABBAGE: HIGHER. 1¾ buctn & crt medium Green unless otherwise stated, TX 13.00-15.00; Red 9.00-10.00; FL 15.00; Red fair cond 5.00; DE med-lge 10.00; CALIF 45-lb ctn 9.00-10.00; ARIZ 45-lb ctn Red 9.00; NY fair qual 10.00; 50-lb sks Red 7.50-8.00; Danish type 8-10s 7.00-8.00, mos 7.50-8.00.

CARROTS: ABOUT STEADY. 48-1 lb film bags in film sacks, CA med-lge 10.50-11.50, in ctns 12.50; FL sml-med 8.00; CANADA med 8.00-9.00, mos 8.50-9.00; 10-5 & 24-2 lb film bags in sacks, CANADA med 8.00; 50-lb sks loose jbo, CA 9.00-10.00; CANADA 8-8.50, fair cond 5.00-6.00; ctn bchd 24s CA 9.50-10.50; miniature ctn 20-12 oz film bags CA 10.00.

CAULIFLOWER: Ctn film wrpd, CA 12s 19.00, ord cond 5.00, 16s 15.00, 9s fair cond 10.00; AZ 12s 17.00, 16s 16.00; FL 12s 14.00, 16s 10.00-12.00, mos 12.00.

CELERY: ABOUT STEADY. Ctns & crts, CA 2 doz 11.00-12.50, mos 11.50, few hgr; 2½ doz 11.00-12.00, few 13.00, occ hgr 3-4 doz 8.00-10.00, few hgr; Hearts film wsrpd 18s 11.50, one label 15.00; FL 2½ doz 10.00-12.00, mos 12.00; Hearts film wrpd 30s 12.00.

CHINESE CABBAGE: Fl celery crt 10.00, ord cond 2.00; 1½ bucrt 8.00-9.00; CA 50-lb ctn Nappa 9.00-10.00, few 11.50; Bok Choy 8.50-9.00, few 8.00; WGA crt Nappa 19.00.

CUCUMBERS: 1-1/9 bucrt & ctns waxed medium unless otherwise stated, FL 16.00, fair qual 14.00, ord qual 10.00, fair cond 5.00-6.00, sml 14.00-15.00; MEXICO 16.00-18.00, fair qual 14.00-15.00, mos 14.00, fair cond 12.00, sml 13.00-14.00; Pickels unwaxed sml-med 12.00-14.00.

LETTUCE-ICEBERG: SLIGHTLY LOWER. Ctn 24s unless otherwise stated, AZ fair qual & cond 14.00-15.00; CA 18.00-23.00, mos 21.00, fair cond 14.00-17.00, some low as 10.00, 30s 15.00, film wrpd 20.00-21.00, fair cond 15.00-18.00, some low as 10.00, 30s 17.00-18.00, few hgr.

ROMAINE: SLIGHTLY HIGHER: CA 24s ctns 15.00-17.00, mos 16.00, fair cond 8.00-10.00, poor-ord cond 1.00-5.00, crts 19.00, few 20.00; FL ctn 24s 12.00-15.00, mos 14.00, 18s 10.00-11.00, 1-1/9 bucrt 9.00-10.00.

BIG BOSTON: CA ctn 24s 12.00-13.00; FL ctn 24s fair cond 7.00-8.00.

BIBB: SUPPLIES INSUFFICIENT TO QUOTE.

LEAF: CA ctn 24s 12.00-14.00, fair cond 8.00-9.00, poor-ord cond 1.00-5.00; Red 14.00-16.00, poor-ord cond 1.00-5.00; FL 1-1/9 bucrts including Red 9.00.

MUSHROOMS: STEADY. PA 4-qt bkt med-lge 5.00, few high as 6.50, sml-med 3.50-4.00, few 4.50, 10-lb ctn 8-8.50, mos 8.50, pkgs 12-10 oz 8.50, few 8.75.

OKRA: SUPPLIES INSUFFICIENT TO QUOTE.

ONIONS-DRY: GLOBE TYPE SLIGHTLY HIGHER, OTHERS ABOUT STEADY. 50-lb sacks US #1 or generally good quality Yellow Grano unless otherwise stated, ID-OR jbo 7-7.50, mos 7.00, fair cond low as 6.50, 25-lb mesh sacks Red lge 7.50-8.00; CO jbo 6.75-7.00; NY Globe type med 3.75-4.50, mos 4.00, few 4.75, fair appear 3-3.50, 20-2 lb mesh bags 5.75, 25-lb mesh sacks Red med 2.50-3.00; MI Globe type med 4-4.50, mos 4.25-4.50, lge 5-5.50, 25-lb mesh sacks Red lge 5.50, med 4.00.

ONIONS-GREEN: ABOUT STEADY. Ctns & crt bchd 48s, CA 7-7.50, few 9-9.50; AZ 7-7.50; TX lge bulb 9.00; MEXICO 7.00-8.00.

PARSLEY: HIGHER. Bchd 5 dozen curly unless otherwise stated, FL crt 15,00, Plain 15.00; CA & TX ctn 15.00; AZ ctn 11.00.

PARSNIPS: NJ ½ buctn 6.00-7.00.

PEAS-GREEN: MEXICO 1-1/9 bucrts 11.00-12.00, one label 21.00.

PEAS-SOUTHERN: NO SUPPLIES.

PEAS-SUGAR: CA 10-lb ctn per lb 2.30 Sugar Snaps 2.20.

PEPPERS: HIGHER. 1-1/9 bucrts & ctns Calif Wonder type Green unless otherwise stated, FL ex-lge one lot 10.00, lge 12.00-13.00, few lwr, med 8.00, few hgr, one lot 6.00, sml-med, few 6.50-7.00, sml 3.00-4.00; Mxd Red fair cond 5.00, med 4.00-6.00, mos 5.00, fair cond 2.00-3.00; Red sml fair cond 2.00-3.00; Cubanelle lge 15.00; Longhots including buctns 15.00-18.00; MEXICO lge fair cond low as 7.00, med 7.00, fair cond low as 5.00.

RADISHES: HIGHER. FL Red ctns 30 6-oz film bags 5.00-6.00, mos 5.50.

RUTABAGAS: CANADA 50-lb ctns waxed medium 5-5.50.

SPINACH: HIGHER. TX Savoy type bubkts including clipped 10.00; CA flat type ctn 24s 9.50.

SQUASH: LOWER. FL ½ buctns Zucchini sml-med 6.00-7.00, few hgr & lwr med 4.00-5.00, few hgr; Yellow Straightneck sml 15.00; NJ Butternut bubkts 6-6.50; MEXICO Zucchini 28-lb lug sml 8.00-10.00, mos 9.00, few hgr, med 6.00-7.00, few 8.00,occ hgr; Yellow Straightneck sml 12.00-13.00, med 10.00-11.00.

TOMATOES: ABOUT STEADY. 25-lb ctn Pink to Light Red 85 percent US #1 or better unless otherwise stated, SALES BY REPACKERS FL 5x6s 23.00-24.00, 6x6s 21.00, 6x7s 15.00-16.00; SALES BY OTHERS FL 5x6s 22.00-24.00, 6x6s 20.00-22.00, Red 17.00, 6x7s 14.00-16.00, mos 15.00, Red 12.00-13.00, fair qual 5x6s 18.00-20.00, few hgr 6x6s 17.00, 6x7s 12.00-13.00; CHERRY TYPE 12-1 pt flats, FL fair qual & cond 14.00; MEXICO 16.00.

New Holland Horse

New Holland Sales Stables
Monday, Dec. 30
Report supplied by auction

Reported receipts of 220 head of horses, mules and ponies.

Killer market lower, balance steady.

Driving horses 275.00-775.00.

Riding horses 150.00-500.00.

Lightweight killers 190.00-250.00; Heavyweight killers 300.00-425.00.

Mares ponies 30.00-60.00; Colts 10.00-20.00; Gelding ponies 30.00-60.00.

Larger ponies 75.00-150.00.

Virginia Auction Summary

Report supplied by VDA

There will be no Virginia Market Reports this week due to the holidays.

EVERGREEN TRACTOR CO., INC.

TRACTORS:

JD 3020 power shift diesel	$8,250
JD Model B Hi-Crops	$1,250 Each
JD 1530D Tractor	$8,750
JD 2020 SOLD .oader	
JD 4230 Quad, Sound Guard	$17,500
(1) White 2-105 w/Roll Guard	Make Offer
IH 240 w/Fast Hitch and 2B Plow	$2,150
MF 30B Industrial	$10,950
Oliver 1255 4WD Tractor w/Loader	$6,950
JD 4640 Tractor, P S 840 Hrs	$32,500
JD 730 Dsl Tract SOLD l-A-Matic, 3 pt , new engine	$3,850

COMBINES & PICKERS:

NI 2RW, pull picker, nice, model 311	$2,350
6600 Combine, new gas engine	$6,950
JD 443 4 row 30" corn head	
NI 818 combine 4R narrow head & 13' flex head Sharp .	Price on Request
JD 6620 Side Hill Turbo Hydro w/15' Flex Head	Price On Request
JD 3300 Dsl w/Cab, 343 C H & Rotary Screen	Price on Request
#643 6 Row 30" Corn Head	
#244 2 Row Corn Head	

PLANTERS & GRAIN DRILLS:

JD 20x6 Model B Plain Grain with Grass D D	$2,350
JD 8300 Bean Drill	$4,500
JD 7000 6 Row Planter	$6,350
JD 8 Row 7000 30" Planter	
JD 490 4 row Planter	$375
IH 400 4 Row Air Planter, Sharp	$1,950
IH Model 620 12' Press Wheel Drill, like new	$4,850

HAY MACHINES:

JD 1209 Mower Conditioner w/Stub Guards	$3,850
JD 1209 Mower Cond Non-Clog	$2,650
JD 410 Round Baler, Sharp	$4,350
NH 469 Mower Conditioner	$2,650
JD 14T Baler	$750
NH 479 Haybine	$3,850
Hesston Hydro-Swing Mower Conditioner	$2,750

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Oliver 770 Diesel
Dion Forage Wagon
IH 2414 Ind Tractor

GRAIN DRYERS:

New Farm Fans AB8 Auto-Batch Dryer MUST MOVE CALL FOR PRICE **(Dealer Inquiries Welcome)**

MISCELLANEOUS:

18 4x38 Direct Axle Dual Wheels	
14.9x38 Direct Axle Dual Wheels	
20.8x34 Direct Axle Dual Wheels	
Papec #880 Grinder Mixer w/Molasses Attach - Sharp	$3,950
IH 850 Grinder Mixer .	$1,450
JD 6 Row 30" Rear Cultivator	$1,250
14.9x26 T-rail duals	
20 8x34 direct axle, less rubber	
NH 790 Tandem axle spreader	$4,250
NH 679 tandem axle spreader, hyd endgate	$3,850
NI Tandem Axle Sp SOLD	$3,850
Better Bilt 1500 Gallon Tank Spreader	$3,450
NH #90 Bale Mover	
NI 214 Spreader w/End Gate	$1,850
NI Tandem Axle Spr SOLD 3 Ton	$2,350

TILLAGE:

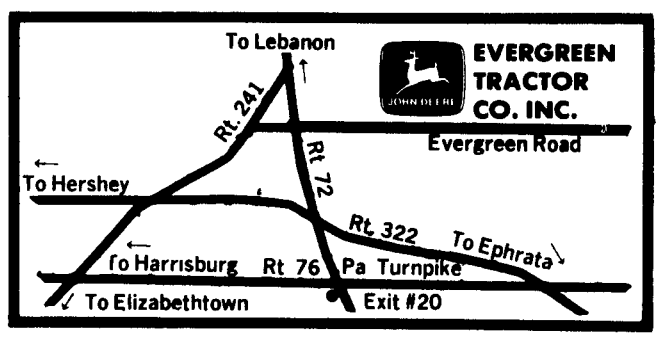
JD 225 10' Offset Disc	$2,850
Dunham 14' Packer	$775
JD 2500 5x18" Sprin SOLD t Plow	$2,850
JD 13x16" Plow, 3 Pt	$675
Oliver #565 4-15 Semi-Mounted Plow	$1,450
JD BWF 18' Wing Disc	$2,650
Brady 30' Field Cultivator	$5,450
JD F145 6x16 Plow	$1,850
JD F350 5x16 Plow	$2,450
Brady 12½' Field Cultivator	$1,750

HARVESTERS & FORAGE EQUIPMENT:

Fox Model 2000 Harvester w/2 Row Narrow & PU	$2,600
NH Super 717 Harvester	$2,450
NH P.U. Attachment	$575
(2) JD 5½' Pickup Attachment	
JD 5400 4 WD Harvester 3 Row 30" Row Crop & 7' Pickup	
NI 2 R Narrow Model 325 Pull Type Picker w/Grinder, like new	$4,500
(1) John Deere 34 w/One Row Row Crop	$1,550
	$950
(1) John Deere Three Row Row Crop Attachment, New Belts	$3,850

NEW JOHN DEERE EQUIPMENT AT GENERIC PRICES

(1) JD 2700 5 18 Plow with Cover Boards and Coulters, Cash Price **$8,600**



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Livestock market and auction news

St. Louis Cattle

Thursday, Jan. 2
Report Supplied by USDA

Receipts this week	1,800
Week Ago	1,400
Year Ago	2,100

Compared to the previous week's close, slaughter steers .50-1.00 higher. Slaughter heifers 1.00-1.50 higher. Cows steady to weak, instances 1.00 lower. Bulls steady. Slaughter supply mainly choice steers and heifers, around 50% cows.

*NOTE: The supply of slaughter cows continues to increase substantially.

SLAUGHTER STEERS: Mixed choice and prime 2-4 1075-1250 lbs. 63.50-64.00. Choice 2-4 950-1250 lbs. 62.00-63.50. Mixed good and choice 2-3 900-1225 lbs. 60.50-62.50. Good 2-3 900-1175 lbs. 59.00-60.50; 850-900 lbs. 55.00-59.00. Mostly good 2-3 1100-1400 lbs. holsteins 48.00-54.00, package at 55.00.

SLAUGHTER HEIFERS: Mixed choice and prime 2-4 900-1100 lbs. 61.00-62.00, mostly 61.00-61.50. Load 2-3 1,000 lbs. 62.50. Choice 2-4 825-1075 lbs. 60.00-61.00. Mixed good and choice 2-3 800-975 lbs. 58.50-60.00. Good 2-3 750-900 lbs. 56.00-58.50; 700-750 lbs. 52.00-56.00.

COWS: (closing week sales) breaking utility and commercial 2-4 30.00-33.00. Cutter and boning utility 1-2 33.00-35.00. High yielding cutter and boning utility 1-2 35.00-36.00. Canner and low-cutter 1-2 30.00-34.00. Shelly canner 1-2 26.00-30.00.

BULLS: Yield grade 1-2 1075-1900 lbs. 41.00-46.00.

Not enough sheep for a test of market.

Peoria Cattle

Thursday, Jan. 2
Report Supplied by USDA

Trading slow on limited holiday week supply. Demand light to moderate. Slaughter Steers and Heifers closed mostly steady. Cows steady. Bulls 2.00 higher. Supply mainly good to low choice slaughter steers and heifers with 8% cows. Receipts this week about 1200 as compared with actual receipts of 1072 a week ago and 858 a year ago.

SLAUGHTER STEERS: Choice 2-4, mostly 3 1050-1300 lbs. 62.00-64.00. Mixed good and choice 2-3 1000-1200 lbs. 60.50-62.00. Good 2-3 1000-1100 lbs. 56.00-61.00.

SLAUGHTER HEIFERS: Choice 2-4, mostly 3 950-1150 lbs. 60.50-62.00, part load 1270 lbs. 62.50. Mixed good and choice 2-3 900-1050 lbs. 58.50-60.00. Good 2-3 850-960 lbs. 55.00-59.50.

COWS: Utility and few commercial 2-3 31.00-34.00. Cutter and boning utility 1-2 31.00-35.00, few high dressing 36.00. Canner and low cutter 28.00-31.00.

BULLS: YG 1-2 1150-1900 lbs. 43.00-46.00.

North Jersey Livestock

Hackettstown, NJ
Monday, Dec. 30
Report supplied by auction

Calves- .01-1.01.
Cows 30.00-42.00.
Easy Cows 25.00-34.25.
Heifers 24.00-56.50.
Bulls 37.75-50.75.
Steers 36.00-58.25.
Hogs 34.00-41.00.
Roasting Pigs, each 7.00-37.00.
Boars 28.00-37.00.
Sows 34.00.
Sheep 20.00-60.00.
Lambs, each 25.00-70.00.
Lambs, per lb. 48.00-95.00.
Goats, each 25.00-95.00.
Kids, each 25.00-55.00.
Total 1044.

Greencastle Livestock

Greencastle, Pa.
Monday, Dec. 30

CATTLE. 699. SLAUGHTER STEERS: Choice & Prime 62.00 to 64.50, few to 65.50; Good & Choice 56.00 to 61.00, few to 62.50; Good & Choice-Holstein 47.00 to 49.00, few to 50.00; Standard & Good-Holstein 39.00 to 44.50, few to 46.00.

SLAUGHTER HEIFERS. Choice 60.00 to 63.50, few to 64.50; Good & Choice 55.00 to 59.75, few to 61.35; Standard & Good 46.00 to 53.00, few to 55.00.

COWS: Utility & Commercial 35.00 to 39.00, few to 41.00; Cutter & Boning Utility 32.50 to 36.50, few to 38.75; Canner & Low Cutter 32.50 & down.

BULLS-ALL WEIGHTS: Yield Grade 1 47.00-51.00, few to 54.00; Yield Grade 2 42.00 to 47.00.

STOCKER CATTLE – ALL WEIGHTS: Steers--Medium & Good 50.00-61.50; Heifers–Medium & Good 42.00-55.50; Bulls–Medium & Good 43.00-56.00; Steers--Holstein 37.00-45.00.

CALVES 511. Good & Choice–125 to 250 pounds 70.00-108.00; Medium & Good–125 to 250 pounds 50.00-75.00; Medium & Good–80 to 120 pounds 40.00-55.00; Light & Cull–all weights 40.00 & down; Holstein Bulls–return to farm up to 106.00; Holstein Heifers–return to farm up to 54.00.

LAMBS, SHEEP & GOATS 38. Choice Lambs to 69.00; Medium & Good Lambs 60.00-66.00; Light & Cull Lambs 55.00-65.00; Sheep, Ewes & Bucks 22.00-27.00; Goats–all sizes (by head) 10.00 to 48.00.

HOGS 88. No. 1-3 Butcher Hogs–190-225 pounds 47.00 to 48.50; No. 1-3 Butcher Hogs–225-250 pounds 47.00 to 47.50; No. 1-3 Butcher Hogs–250-300 pounds 42.00 to 47.00; Good Butcher Sows–400 pounds up to 43.00; Good Butcher Sows–400 pounds up up to 42.50; Heavy Boars–over 300 pounds 26.00 to 30.00; Pigs–all sizes (by head) 10.00 to 27.00

Sale every Monday evening at 5:00 p.m.

Hay & straw sale every Monday at 1:00 p.m.

Flying Farmers slate meeting Sunday

LEBANON — The Pennsylvania Flying Farmers will have their monthly meeting at the Bird-In-Hand Inn on Sunday, Jan. 5, at 1 p.m. You may land at the Smoketown Airport.

Two new ag books published

FRESNO, CA. – Thomson Publications, of Fresno California, has two newly revised books out of the Agricultural Chemical Book series. The book series has been in publication and has been used as a major reference by many people for over 20 years.

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Pioneer exec sees China as potential grain market

TIPTON, IND. – A nationwide emphasis on improving the diet of its citizens will transform the People's Republic of China from a feed grain exporter to a significant importer by the next decade–and American farmers are in a good position to supply that grain, participants in a United States Feed Grains Council (USFGC) trade mission to that country learned recently.

Trade team members were USFGC officers, feed grain producers, USDA Foreign Agriculture Service officials, and several farm media members.

"This trade mission gave participants a comparison of what the Council has done to build demand for feed grains in Japan with the tremendous potential in China," says Bob Wichmann, president of the Eastern Division of Pioneer Hi-Bred International, Inc.

In China to dedicate the first joint venture with the National Feedstuffs Corporation, trade team members learned that a premix feedmill located in Nanjing is the first of 400 similar feedmills to be built in the next five years. Approximately 20 feedmills are under construction now.

"The Council supplied technology and equipment, and the Chinese government supplied the other resources to help put together this pilot feedmill which will be used to train people for additional mills the government plans.

"With the government's desire to improve the diets, animal protein is going to be very important, but the Chinese have a severe shortage of premix feedmills to handle the increased livestock production planned in their five year program," Wichmann explains.

China currently has the feedmill capacity to utilize 12 million tons of coarse grains each year–up from one million tons in 1980. This capability will rocket to 50 million tons by 1990 if animal production increases as planned.

Although the Chinese now export grains because they need foreign currency and do not have the storage capacity, roads and railways necessary to move grain from northern crop to southern animal production areas, they expect to be purchasing feed grains within a short period. China has the potential to purchase 530 million bushels of grain each year under its current program.

Wichmann says there was very little time for sightseeing during the trade mission, which was sponsored in part by a grant from Pioneer Hi-Bred International, Inc.

"The biggest part of our time was spent with members of the Chinese government. Most of the time we talked about the potential we have to supply their country with the feed grains we felt are going to be necessary as a result of their desire to improve the diets of the Chinese people."

Chinese leaders expressed concern with the growing protectionist movement in the United States and impending restrictions on textile imports during those discussions, he notes.

"It was a concern to them that protectionism would enter into it and that certainly would be detrimental to us developing a strong trade relationship. We also were made aware that the strong U.S. dollar had an affect on the price of our commodities; that our commodities were not as competitive in the world market as they had been."

Wichmann says the USFGC trade team countered by stressing America's track record in assisting Japan and other countries with agricultural development.

"China is looking at a substantial amount of production by 1990 and beyond, and there are few countries that could be as consistent a supplier of quality grain as the United States. And hopefully, our government will make a commitment to reduce the budget deficit and would not always be in the position where our commodities would be higher priced than commodities from other countries."

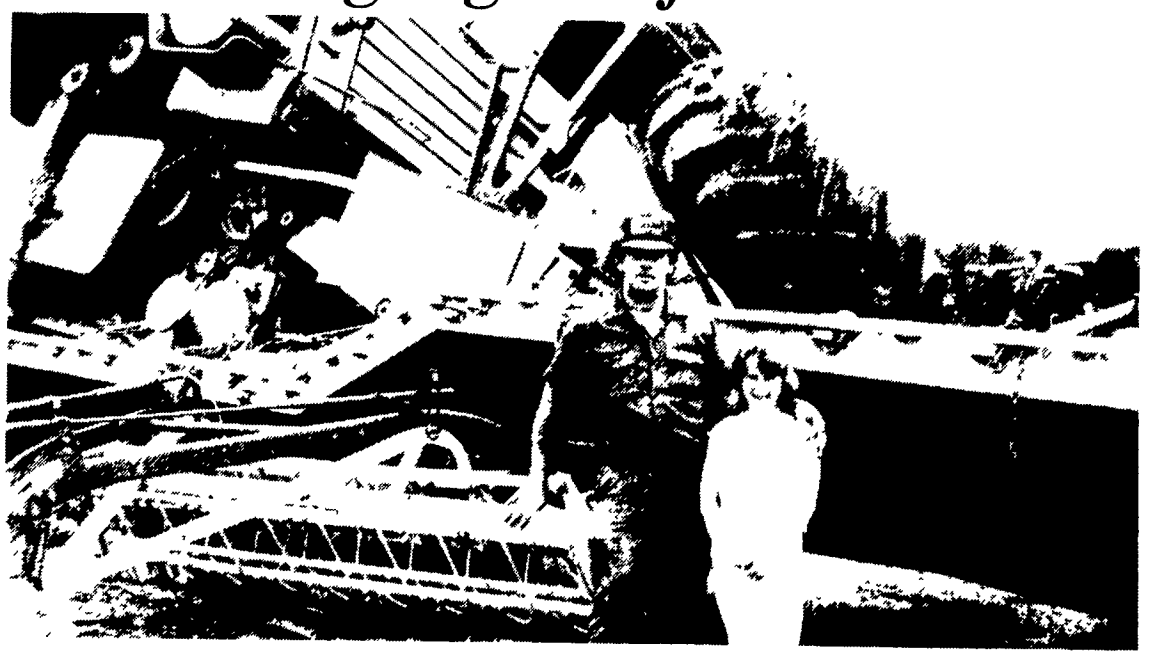
Trade team members left the country feeling positive about the future for American feed grain sales.

"Many of us felt that there was a tremendous potential, but it was going to take time and patience. The Chinese gave us the impression they are eager for technology and eager for help. Hopefully, the country that can supply that and can develop a good relationship with many of those key people will be in a position to see that trade expand.

"If the government can come close to reaching that five year goal, there would be a real incentive for us to continue to work hard to be the one that supplies the bushels they'll need," Wichmann concludes.

Bob Wichman

Highlights of 1985



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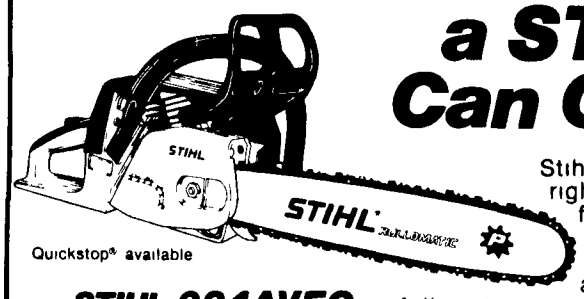

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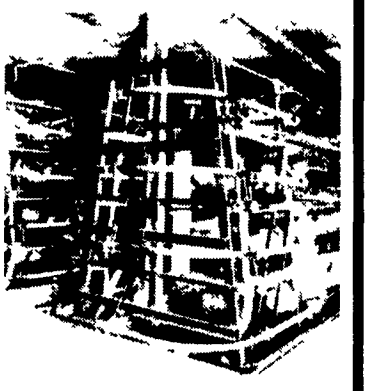

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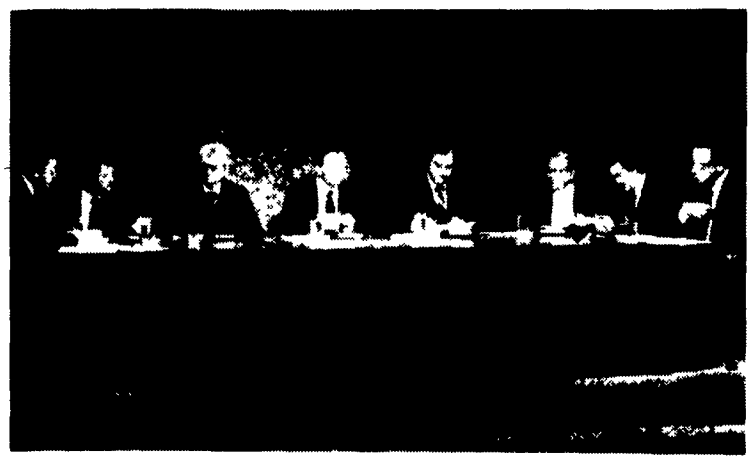
Corn growers must seek highest return

GREENSBORO, NC — If corn growers are going to survive the economic problems of the mid 1980s and beyond, they must obtain the highest possible return on investment from their operations. Growing corn for high yields just isn't good enough anymore.



A video symposium on growing corn profitably in the 1980s was held recently in Chicago, sponsored by Ciba-Geigy. The video will be made available to growers throughout the Corn Belt. Panel participants included, from left: Orion Samuelson, moderator; Dr. Michael Owen, Department of Plant Pathology, Iowa State University; Dr. Gary Beland, entomologist, Funk Seeds International; Dr. Garren Benson, agronomist, Iowa State University; Marty Thornton, head of the farm department of the Peoples Bank, Bloomington, Ill.; Dr. Marshal McGlamery, agronomist, University of Illinois; Dr. Michael Barrett, Department of Agronomy, University of Kentucky; and Dr. Ronald Doersch, Department of Agronomy, University of Wisconsin.

That message came through loud and clear during a recent Video Symposium on Productivity in Corn, sponsored by the Ciba-Geigy Corporation. The symposium brought together university, agribusiness and financial experts from around the Corn Belt to discuss ways to manage inputs, thereby increasing profit and corn yields.

The videotaped roundtable discussion, available for corn growers, addressed fertility management, seed selection, planting dates, herbicide safety, and the correlation between good weed control and optimum yields.

Set Realistic Goals

Ron Doersch, agronomist at the University of Wisconsin, says growers must set realistic goals when planning for profitable yields. "Growers need to realize they aren't allin a yield contest. In the past growers always were shooting for that top yield. That's not necessarily a profitable yield."

Doersch added that a five to 10-year average may be a more realistic yield goal when shooting for the best economic return from a crop. "Know the level you want to shoot for and set some real goals. That's the key."

Planting Dates Crucial

Two experts from Iowa State University, Dr. Garren Benson and Dr. Michael Owen, noted the importance of planting dates in growing corn for profit. "The size and reduction in yield varies greatly from year to year, but reduction is definitely there once you get past the 10th or 15th of May," Benson said. "After the 20th of May average yield reduction accelerates and can become quite serious."

Owen agreed, explaining that once the optimum date for corn planting has passed, "yield diminishes rather quickly." He stated that late planting, combined with poor weed control and fertility management, can have a "very adverse effect on yield."

Benson added that it is more important when growers "finish planting than when they start planting."

Strip Test Reliability

The scientists also expressed concern for the reliability of strip tests in determining the effectiveness of a herbicide, fertility or hybrid. Benson said, "When you start talking yields, you either have got to have a lot of locations handled the same way or you've got to have a lot of replication per location. When you get ito the yield business, you're really into the research business and most producers are not set up to do this."

While some companies tout yield differences based on strip tests in growers' fields, Benson said beware. "In order to check yields you have to have sophisticated side-by-side comparisons. It's pretty risky otherwise."

Marty Thornton, Illinois farm manager and head of the Farm Department of the Peoples Bank of Bloomington, Ill., urges caution when companies make yield increase claims based on strip tests. "When you analyze data you have to be sure the strip tests are valid; the proper replications of the experiment have been taken, handled scientifically and analyzed carefully. When you generalize to one or two or three sites that were done without using a scientific approach, you have a real problem of misusing the data that is obtained and drawing incorrect conclusions."

(Turn to Page A24)

Lancaster Tobacco

Pennsylvania Tobacco

Intercourse, PA
Thursday, Dec. 12

Total Volume 320,000 lbs.; Average Overall $1.09/lb.; Top 3 Grades $1.10-$1.13/lb.; Out Grade $.40-$.65/lb.

Wednesday, Dec. 18

Total Volume 305,000 lbs.; Average Overall $1.15/lb.; Top 3 Grades $1.17-$1.19; Out Grade $.35-$.95.

Friday, Dec. 20

Total Volume 235,000 lbs.; Average Overall $1.13/lb.; Top 3 Grades $1.17-$1.19, a few skids $1.50; Out Grade $.35-$1.10.

Monday, Dec. 30

Total Volume 146,000 lbs.; Average Overall $1.21/lb.; Top 3 Grades $1.22-$1.25/lb.; Out Grade $.50-$1.22.

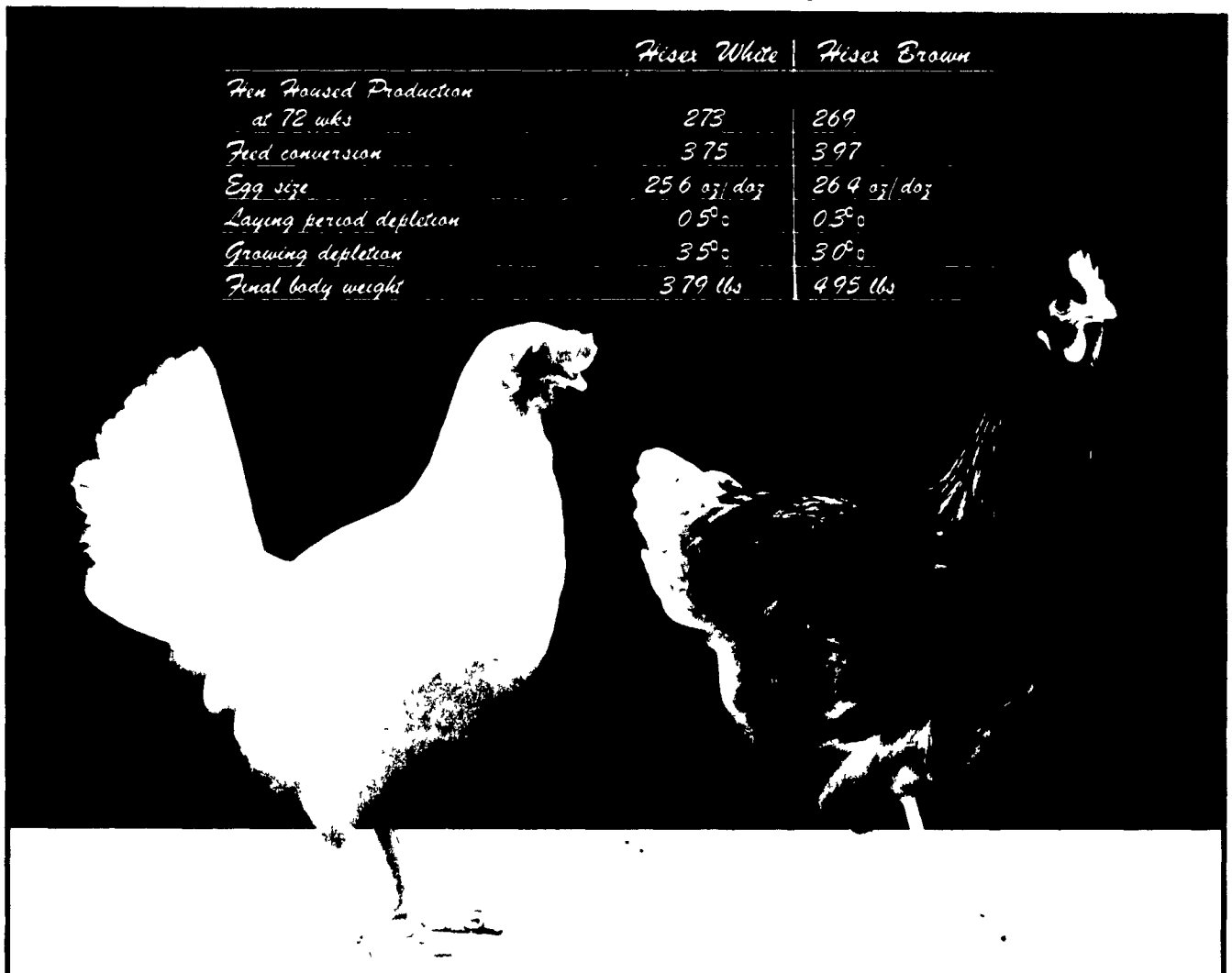
Looking back

(Continued from Page A1)

Meanwhile, also in Lancaster County, the state's only tobacco auction got underway, bringing better prices to growers.

PFA's marketing co-operative, PACMA, made news in 1985 by trying to form co-ops to buy the Clover Packing plant in Selinsgrove and Shamokin Packing in Shamokin. Look for more on these developments in 1986.

The state DHIA named Richard Barth its new general manager, Naomi Bupp was elected president of the Pennsylvania Farm Women's Association and Beth Heald was crowned the state's Dairy Princess.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Feed conversion | 3 75 | 3 97
Egg size | 25 6 oz/doz | 26 4 oz/doz
Laying period depletion | 0 5% | 0 3%
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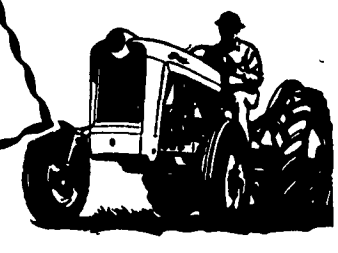

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Mertz Brothers cop Berks DHIA awards

By ROBIN PHILLIPS
Staff Correspondent

KUTZTOWN — A new name at the top of the list, new awards, and additional incentives were the highlights of the annual awards banquet of Berks County DHIA Association.

Held at the Kutztown Grange Hall, Kutztown, recently, the program honored the high herds and cows in each breed and the accurate tester-supervisors working for the association.

"We're trying to help you," stated Kenneth Schlegel, president, as he began the meeting. He continued, "We're still working on some new things."

The stars of the meeting were the high herds in the county and their high producing cows. The partnership of John and William Mertz, RD 1, Kutztown, with their 1985 herd average of 22,286M and 786F, gained them the top spot on the county list for milk production.

The Mertz Brothers milk 44 cows and farm approximately 270 acres. Although the work is divided between the two brothers, William Mertz stated that they both try to keep up to date with the entire operation.

"We got to know what's happening," he added. Mertz also related that the herd average improved when they began feeding a total mixed ration about four years ago. "We've usually been up there (in the top herds)," Mertz continued, but added, "there's always a little luck with it."

This is the first time the Mertz Brothers mostly registered herd has reached the top in the county. With their 44 cows in the comfort stall barn they edged out another regularly high herd in the county, that of Charles and Tim Kissling, R1, Robesonia.

The Kissling family stands with John Mertz, R1, Kutztown, representing Mertz Brothers. The Kissling herd took top honors for high herd for fat and the Mertz herd had high milk production in the county.

With the Kissling herd consistantly in first or second place in the county for the past several years, and Tim Kissling's nutritional knowledge at hand all the time, (Tim Kissling also does the Mertz Brothers nutritional work), it is not surprising to see the herd of Charles & Tim Kissling, R1, Robesonia, stand second for milk production but first in fat production in the county.

It is also not surprising to find out that the owners of these two top herds are related.

Mrs. Charles (Betty) Kissling is the sister to John and William Mertz. Top management must run in this family, with the two herds garnering top awards in milk, fat, and protein. The Kissling's herd average on 68 cows was 21,949 milk, and 808 fat, and was the only herd in the county to surpass the 800 pounds of fat mark.

These two herds also shared the high protein honors with the Mertz Brothers in first place with 702 pounds protein and the Kisslings in second place with 700 pounds of protein.

High cow for lifetime milk production went to Rue-Hel Sunshine Amy owned by Rue-Hel Farms R1, Mohrsville. "Amy" produced 258,215 milk and 8987 fat in 4,015 days. High cow for lifetime fat production went to Plushanski Star Orange owned by Plushanski Farms, R3, Kutztown, who produced 242,461 milk, 9720 fat in 3281 days.

Owners of the high cow awards in each breed stand with their plaques. Left to right: David Clare, R1, New Tripoli, Guernsey; Dean and Brenda Daubert, R2, Bernville, Brown Swiss; and Glenn Seidel, R1, Robesonia, Ayrshire.

In the Ayrshire breed, the individual high cow awards went to the cows in the herd of Heindel Farms, George and Glenn Seidel, R1, Womelsdorf. High Ayrshire for milk was "Patience" with 8-00 305 days, 18,401M, and 4.1%, 746F. High Aryshire for fat was "Rosie" with 5-06, 304 days, 16,266M, 4.6% and 756F. High Ayrshire for protein was "Patience" with 3.3% and 606 pounds.

The Guernsey breed featured the cow of David Clare, R1, New Tripoli in high fat and protein production. "Irma" took first place with 4-10 305 days 16,220M and 4.7% 761F and 3.6% and 592 pounds of protein. John Snyder, Limekiln, owned the high producer for milk, "Lorene" with 5-05 305 days 17,847M 4.2%, and 743 pounds fat.

High milk production in the Jersey breed went to "Ann" owned by Bruce Leiby, Hamburg, producing 2-11 305 days, 18,313M 3.8% and 688 F. Dr. Robert and Helene Dreisbach's cows took high fat and protein honors with #227 at 6-05 300 days, 16,289M 5.3% and 859 fat. High protein cow was #189 at 7-02, 305 days, 16,538M 4.0% protein and 664 pounds protein.

Brown Swiss awards were gathered by the herd of Dean Daubert, R2, Bernville. His cow, "Lucinda" produced the most milk with 6-02 305 days, 20,972M 3.6% 745F. "Nan" had high fat with 9-01 305 days, 20,836M 4.1% and 846 pounds of fat. "Chip" produced the most protein with 4-00 305 days, 18,645M, 4.1% and 767 pounds of protein.

(Turn to Page A23)

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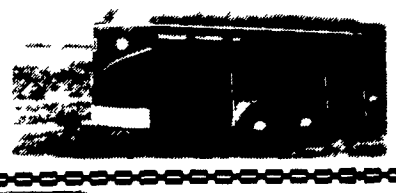

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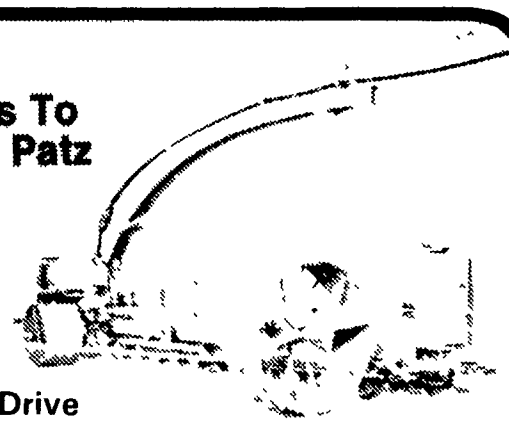

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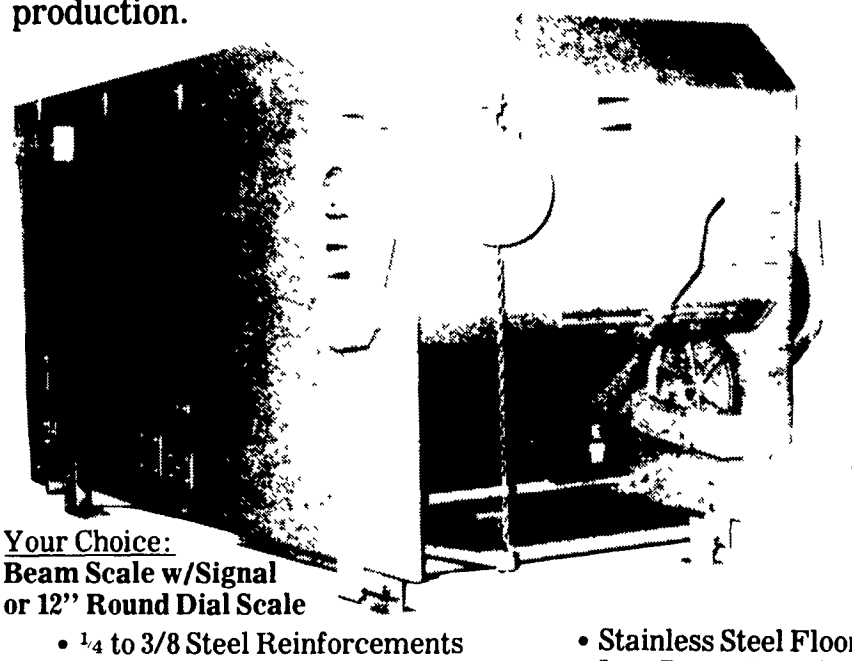

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Farm Bureau says ag assets dropped 40 percent in 1985

PARK RIDGE, IL – The value of the nation's farm assets continued to decline in 1985, falling an additional $40 billion. Asset values declined by $100 billion in 1984 representing a two-year drop of 15 percent. Net farm income should also fall to $25 billion, the lowest level in eight years.

According to the American Farm Bureau Federation, prices for most farm commodities fell in 1985. "The good news is that farm production costs for the sector as a whole also declined in 1985 though not enough to compensate for the lower prices," said Robert Delano, AFBF president.

Farmers will sell between $136-$140 billion worth of farm products in 1985 down from $142 billion in 1984. Farm production expenses could fall by as much as $5 billion, primarily the result of lower interest rates and less expensive energy supplies.

The nation's farmers registered record or near record production in dairy products, corn and soybeans. Ideal weather throughout most regions of the country produced larger corn and soybean crops as the growing season progressed. Corn growers are expected to harvest 8.72 billion bushels worth an estimated $21.5 billion dollars. Soybeans, the nation's second most valuable crop, will register an estimated $11 billion in value from 2.13 billion bushels. Wheat receipts are estimated at $7.5 billion from a 2.42 billion bushel crop.

Corn, soybeans and wheat also represent the nation's leading export commodities. The decline in farm export levels is seriously affecting the nation's farm economy and presents a near-term crisis on the farm market front. From a high of $44 billion in sales in 1980, foreign sales slipped to $32 billion in 1985, with a further decline expected in 1986.

The biggest drop has occurred in wheat sales. Wheat export commitments so far this year are the lowest in 10 years and about one-half of what they were one year ago. Weak export sales combined with large supplies on hand paint the gloomiest outlook for wheat producers. Many countries have boosted their wheat production sharply. Global wheat production has increased 14 percent since 1980. Corn exports are down 1.5 percent; soybeans 13.7 percent and cotton 13 percent.

Cattle and calves continue to be the nation's most valuable farm commodity. Receipts in 1985 are expected to total $29.2 billion, a drop of $1.5 billion from the previous year. The cattle market dropped sharply in mid-1985, aggravated by the marketing of overweight cattle.

Dairymen produced a record 143 billion pounds of milk in 1985, worth over $19 billion. Hog producers suffered from lower market prices with the value of production dropping by nearly $700 million to a total of $9 billion. Sheep producers realized improved prices with market receipts climbing to $500 million, up nearly 7 percent. Poultry production accounted for $10.5 billion in sales. Market prices were up for turkey producers. While prices were lower for egg and broiler operations, producers benefitted from the lower grain prices.

American farmers also produced an estimated $3.8 billion worth of cotton. Other crops registering more than $1 billion in sales were tobacco, sorghum, barley, rice, sugar, oranges, grapes, peanuts, potatoes, tomatoes and apples.

Lower farm prices translated into slowly rising food prices for consumers. Retail food prices climbed a modest 2.2 percent in 1985. All the increase in cost occurred outside the farm ector. The farm share of the retail food dollar stands at 27 percent. Retail food prices are expected to rise in a range of 2 to 4 percent in 1986 following closely with the expected rate of inflation.

For the most part the nation enjoyed good weather conditions throughout the growing season. Drought conditions existed in a portion of northern plains states. The only other adverse weather conditions struck at harvest time with flooding conditions hitting West Virginia and other portions ot the eadt coast and gult states, causing delays in harvest and some crop losses.

In 1985 farm debt adjustment became a major concern. Many farmers and their lenders were forced to write-down or restructure their debts. An estimated 25 percent of America's farm families face serious financial difficulties.

"The debt problems will continue into 1986," warned Delano. "No one knows when or where the bottom will be reached in land values. We have some reason to belive that the decline is beginning to slow and that land values may stabilize in 1986. Steps taken Congress to deal with farm credit problems should help. But, the financial stress will continue.

"The action taken to aid the Farm Credit System was an important first step. This action helps the System specifically. We must, however, be sure that the longer term financial interests of all farmers are met as well, with viable and diversified sources of farm credit.

"The nation's agriculture is undergoing many changes. The booming export markets of the 1970s have passed and we will not return soon to the levels reached then. Future land values will be based more on farm earnings," said Delano, "not speculative earnings based on increased inflation. These changes carry mixed blessings. Estate transfers will be eased by the change in land values. Young farmers will have greater opportunities to become established. Land rentals should begin to reflect the new values in farm production. The adjustments will be difficult for many farmers.

"Many of the adjustments will occur in 1986. Government farm programs will result in fewer acres planted overall. The large supplies of commodities on hand, espceially wheat, will slow any price recovery brought on by smaller crops. A weaker dollar will help us to compete in world markets, if it is the result of stronger currencies in foreign countries. Perhaps the greatest response will come in the area of specialty crops," said Delano.

"Protectionist legislation poses a serious threat to American agriculture," the farm leader warned. "The Asian countries targeted in the recent textile restraint bill account for $10 billion in annual farm export sales. We would be the first to suffer in trade retaliation. The President's veto of the only major protectionist bill to come out of Congress was a key victory for agriculture.

"Trade, federal tax and spending policy and environmental issues will be among the other major issues facing agriculture in 1986," Delano added.

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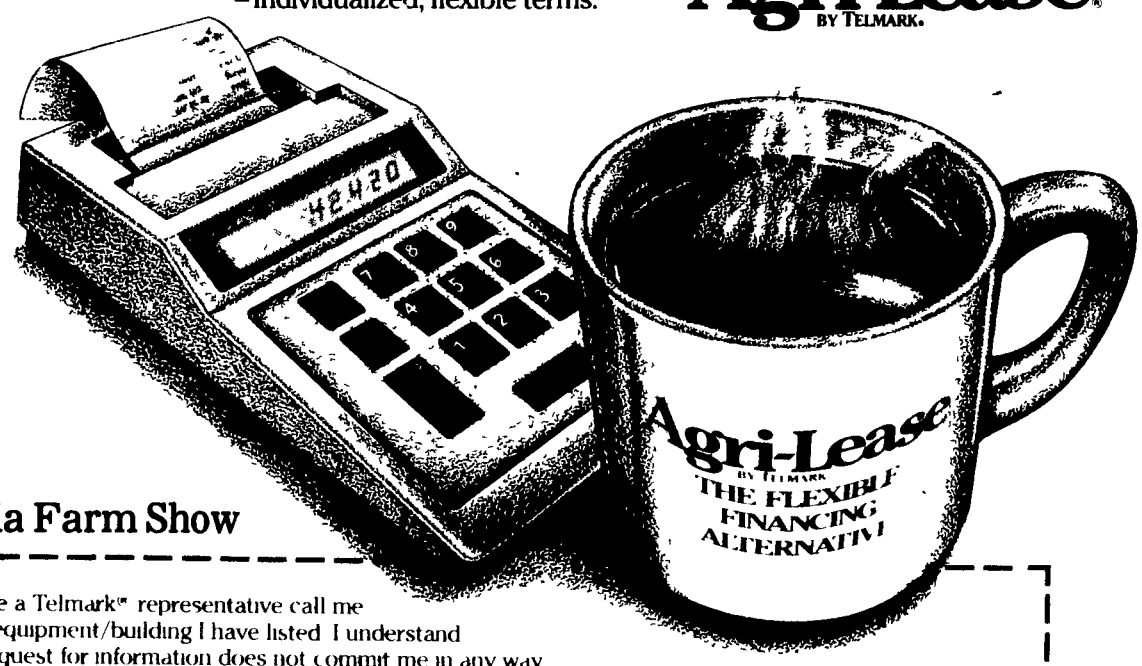

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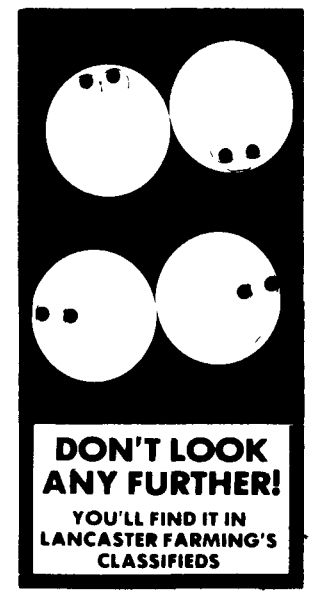
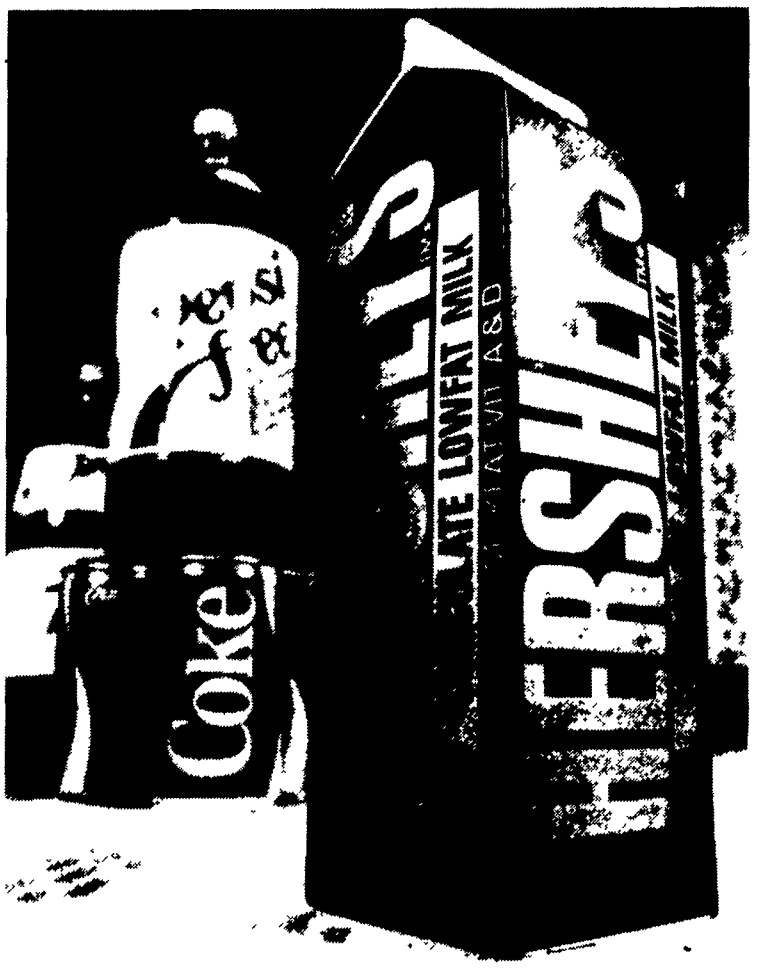


1985 - the year in pictures



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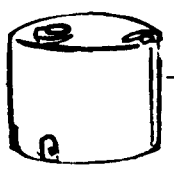

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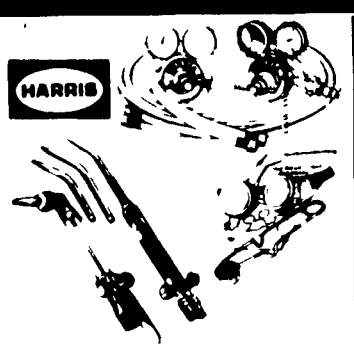

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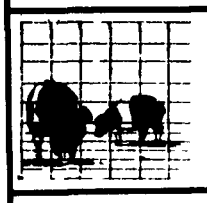

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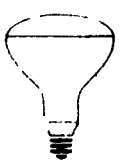

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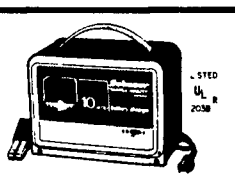

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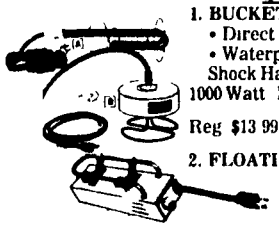

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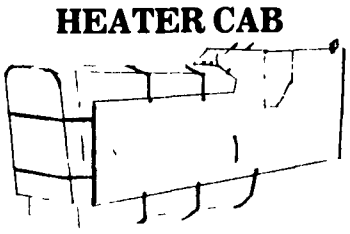

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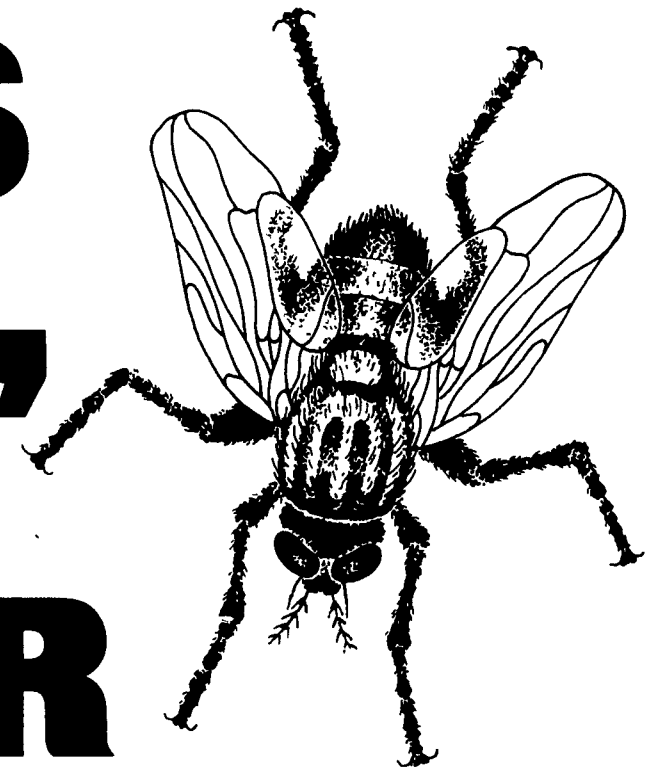

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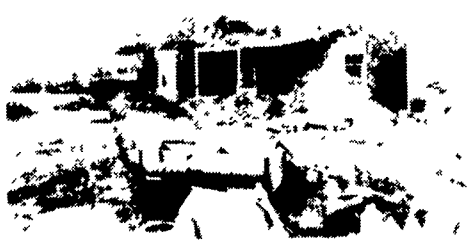

USDA: 214,000 farmers are unable to pay debts

FARMLINE NEWS SERVICE (USDA)

WASHINGTON — Some 214,000 American farms began last year unable to pay the previous year's bills, according to a study by economists of USDA's Economic Research Service. That's the bad news.

This figure represents around 12 percent of the farms that were covered in a major survey by the Agriculture Department early this year. The brighter side is that the majority of farms — 88 percent — had either a positive cash flow or were not overburdened by debt.

The 1984 Farm Costs and Returns Survey provided detailed financial information applicable to 1.7 million of the nation's 2.3 million farms — in other words, all but the smallest farms. Economists say that this survey, considered to be the most comprehensive to date, can help pinpoint financially stressed farms by type, size, and geographic distribution.

While current financial stress is not limited to any particular class or size of farm or sector of agriculture, says USDA economist Jim Johnson, some groups have been harder hit than others. Johnson is quoted in a recent issue of the department's FARMLINE magazine.

"The survey's results enabled economists to get a better grip on the number of farms affected and a clearer understanding of the types and sizes of farms experiencing financial stress," he says. Among the survey's most important findings, Johnson adds, is that, "many more commercial-size operations are in financial trouble than most analysts previously thought."

Commercial-size farms — those selling $40,000 or more a year in farm products — form the backbone of American agriculture. Although they represent only a little more than one-third of all farms, they account for 90 percent of all farm sales. "We found that at least one in five commercial operations was experiencing some degree of financial stress," Johnson says. These farms were carrying high debt loads and were unable to generate sufficient cash to pay their bills. Specifically:

- Almost 129,000 commercial farms (20 percent of all farms with annual sales of $40,000 or more) were under financial stress because they had both negative cash flow and a debt-to-asset ratio of more than 40 percent.
- Another 68,000 commercial farms showed the potential for financial stress because their debt-to-asset ratios exceeded 40 percent, even though their cash flow was positive.

Perhaps even more significant, Johnson says, the results of the survey showed that midsize commercial farms (those selling between $40,000 and $99,999 a year) were more financially stressed than farms in any other sales class. Of the 214,000 financially stressed farms, Johnson says, 62,000 — or 29 percent — fell into the midsize category. This figure is particularly telling, he says, because the farm in this class account for only 18 percent of the 1.7 million farms covered in the survey.

Degrees of Stress

Just how heavily leveraged an operation is and what kind of cash flow it can generate are two measuring sticks that can be used to determine the financial health of a farm business.

First, survey data were used to estimate how much cash from farm and nonfarm income was available to cover production expenses, the interest and principal on outstanding debt, and family living needs. Researchers divided farms into two cash flow positions: negative and positive. A negative cash flow alone is not enough to signal severe financial stress, Johnson says, because a farm that has a strong net worth position would probably be able to weather agriculture's current economic crunch. How? By temporarily leveraging some assets. If assets are too heavily leveraged, however, net worth declines to dangerously low levels, giving the operator little or nothing to fall back on if cash flow is already a problem.

Debt-to-asset ratios — the most owed to creditors as a percentage of the value of the operator's assets — were calculated from survey responses. Using current prices, input costs, and asset values, researchers defined four categories of debt-to-asset ratios: 0-to-39 percent, 40-to-70 percent, 71-to-100 percent, and over 100 percent.

According to Johnson, farms with ratios of 0-to-39 percent are in strong net worth positions and generally have few financial problems. It's the 40-percent mark that's the critical point, Johnson says. "That's when substantially higher rates of return to farm assets are necessary to maintain a positive cash flow, or farmers begin to have some difficulties."

Farms in the next category of 40-to-70 percent still have fairly strong net worth positions. But, unless they have a large, positive cash flow, they will probably begin having some difficulty meeting the principal repayments on loans, according to Johnson.

When debt-to-asset ratios fall into the 71-to-100 percent category, farms are likely to have trouble meeting their current interest payments as well as their principal payments. For most of these farmers, net worth is declining, Johnson says.

And when debt-to-asset ratios exceed 100 percent, he continues, the farm is considered technically insolvent. "The sale of all the farm's assets would not be sufficient to pay off its debts."

In which categories do most American farms fall?

The majority — 88 percent of those covered by the survey — remained financially sound. Their debt-to-asset ratios were in the 0-to-39 percent range or they showed positive cash flow. This is encouraging news, Johnson says, in view of the varied problems facing agriculture in recent years — depressed commodity prices, dwindling farm exports, and plummeting farmland values.

These factors, however, have taken a harsh toll on some operations, he adds, pointing to the flip side of the survey's results. Three percent — or 51,000 of the 1.7 million farms — were technically insolvent.

Most of the farmers who faced some degree of financial problems fell somewhere in between.

Farmers in Between

The survey found about 196,000 farms (11.6 percednt of the 1.7 million farms) with debt-to-asset ratios of 40-to-70 percent. Another 72,000 farms (4.2 percent) had debt-to-asset ratios of 71-100 percent.

Again, Johnson points out, a large debt-to-asset ratio alone does not necessarily mean that a farm is in financial distress. He explains:

"Farms that have less than $40,000 in sales usually earn a large share of total income from nonfarm sources, and often qualify for and repay their loans on the basis of this income. Very large flarms with sales of over $500,000 tend to be highly specialized and typically can carry relatively high debt-to-asset ratios because of their positive cash flow positions."

On the other hand, it's a sure sign of trouble when cash flow is low and debt levels are high, Johnson says. These are the farms researchers consider financially stressed, and this was the case for about 214,000 farms. All of these farms had negative cash flow and debt-to-asset ratios of 40 percent or more.

Certain types of farms in certain regions were most affected, Johnson says. Cash grain, general livestock, and dairy farms accounted for more than three-fourths of the 214,000 financially stressed farms.

And several geographical regions were also most affected. Sixty percent of the financially stressed farms were concentrated in the Corn Belt, Lake states, and Northern Plains. A contributing factor to this concentration is the steep drop in farmland values in those regions — down more than 20 percent in 1984 alone, compared with a national decline of 12 percent. When a farmer leverages his or her land to borrow operating capital, the land declines in value, the net worth position also drops, Johnson says.

New study will test current status

WASHINGTON — A lot of farms started 1985 with financial troubles. And developments since then — still lower crop prices, declining exports, and further drops in farmland values — have not helped matters for many farmers. Exactly how much worse has farming's financial situation gotten during the year?

USDA analysts are going to try and find out with the 1985 Farm Costs and Returns Survey. But they'll need the help of farmers. Here are some details on the survey:

- If your farm is chosen by USDA's random sampling procedures, you'll be contacted by an interviewer to set up a convenient time to visit your farm. Interviews will take about an hour.
- Participation is voluntary, but remember that each farm represents many other similar operations. For each farm selected, no one else can take its place.
- If you're chosen to participate, you'll receive a notification by mail in early January. Interviews will be conducted between mid-February and early March.

"The response rate to the 1984 survey was tremendous," says economist Jim Johnson of the Agriculture Department's Economic Research Service. "That's why the results were so revealing," But the next survey may actually be more important to the nation's farmers and ranchers than last year's survey, according to Johnson, because with the ongoing collection of data, "we'll be able to make a comparison, to see how the problems have changed. We'll know what's getting better and what's getting worse."

The 1985 survey will be almost identical to the one farmers and ranchers answered about 1984 income, receipts, expenses, debts, and assets. And, just as they were last year, all answers are completely confidential, says USDA. After questionnaire data (without names) are fed into a computer, the questionnaires are destroyed so there is no record of any individual's answers. Questionnaires are not sent on to USDA in Washington, nor are they shared with any other government agency.

Again, Johnson stresses the importance of the survey. It's the only way policymakers, farm groups, and the public can be accurately informed of how changing regulations, input costs, returns, and technology affect the agricultural economy, he says.

"The last survey provided the foundation," Johnson adds. "The next one will help us better understand the magnitude of financial problems in the farm sector."

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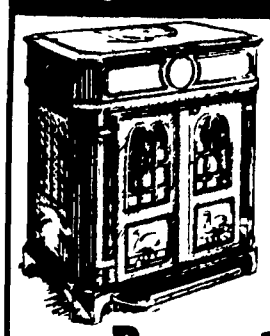

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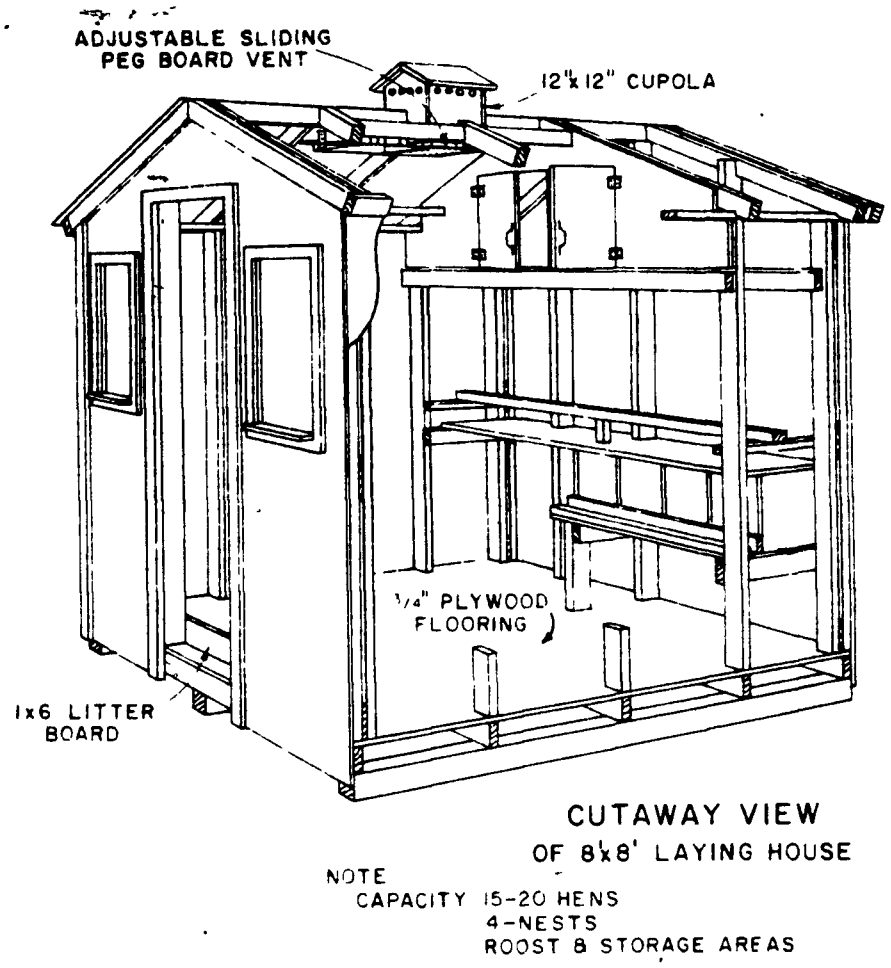
Experts design plans for small poultry house



NEWARK, DE – A growing number of part-time and small-scale farmers are raising poultry for their own meat and egg needs, but plans for small chicken or pigeon houses are often out-of-date or hard to find.

The University of Delaware Cooperation Extension Service is offering a plan for an easy-to-build poultry house which is suitable for brooding or laying hens or pigeons. The design, Plan No. G232, was prepared by the U.S. Department of Agriculture plan services.

The building is 8 feet long by 8 feet wide. As a laying house it will hold 15 to 20 hens with four nests and a roost and storage area. The building is constructed on 4-inch by 4-inch pressure treated skids, so no foundation or concrete work is required. The building does have a plywood floor, however.

Standard stud and rafter construction is used, so anyone with basic carpentry skills should have no trouble erecting the frame. The siding is plywood and the roof is shingles over a plywood deck, giving the structure an overall pleasing appearance.

The building is designed with a door and two small windows for adequate light. Ventilation and building appearance are enhanced with a roof cupola. Interior arrangements for roosts, nests, coops and other fixtures are shown for pigeons, layers and bantams. Feed and water troughs are not included in the design and must be provided.

Blueprints of this two-sheet plan are available for $1 from: Extension Agricultural Engineer - Plan Service, 058 Townsend Hall, University of Delaware, Newark, DE 19717-1303. Make checks payable to the University of Delaware. Be sure to specify Plan G232 Small Poultry House.

Berks DHIA

(Continued from Page A18)

Pinesedge Farm, owned by Sam Yoder gathered all the Milking Shorthorn awards. "Nita" produced 14,766M, 3.5% 518F at 9-07. "Chedrrytart" produced high fat at 3-03 305 days, 13,299M 4.4% and 587F. "Nita" also had high protein production with 3.3% and 483 pounds.

Holstein awards went to the Rothrock herd, R1, Kempton. Their top cow, "Abbie" took all the honors with 34,121 M, 4.2% 1418F, 3.3% protein and 1109P.

The herd winning the low somatic cell count award for the year went to the registered and grade herd of Larry and Cathy Phillips, R1, Mohrsville. With 33 cows, Phillips maintained a somatic cell count average of 95,000. Second lowest herd was the Linden Loch herd of Jim Shaw, Oley, with 65 cows at 105,000.

The new awards this year were for the most improved herds in the county for milk and fat production. Dynasty Holsteins, owned by Jeff Miller, R3, Kutztown, improved their milk production by 3,653 pounds of milk to win the plaque. The largest herd in the county, the 200 plus cow of Dynasty Holsteins, work in a freestall - parlor setup. The most improved herd for fat production is owned by Sam Shirk, Fleetwood. His herd's fat production improved by 120 pounds of fat.

The tester-supervisors of the county were also honored by year end bonuses for the least mistakes on their monthly reports. A new tester incentive was also initiated this year for each tester. A $50 bonus per each new herd enrolled by a tester will be given to that tester by the association. Stating that the new herd incentive program is working, President Schlegel reported that new herds are being enrolled each month.

New directors for each circuit were also elected at this meeting. The new directors elected to fill out expired terms were: Ralph Moyer, Frystown, Glenn Seidel, Robesonia, Dave Schuler, Oley, and Floyd Martin.

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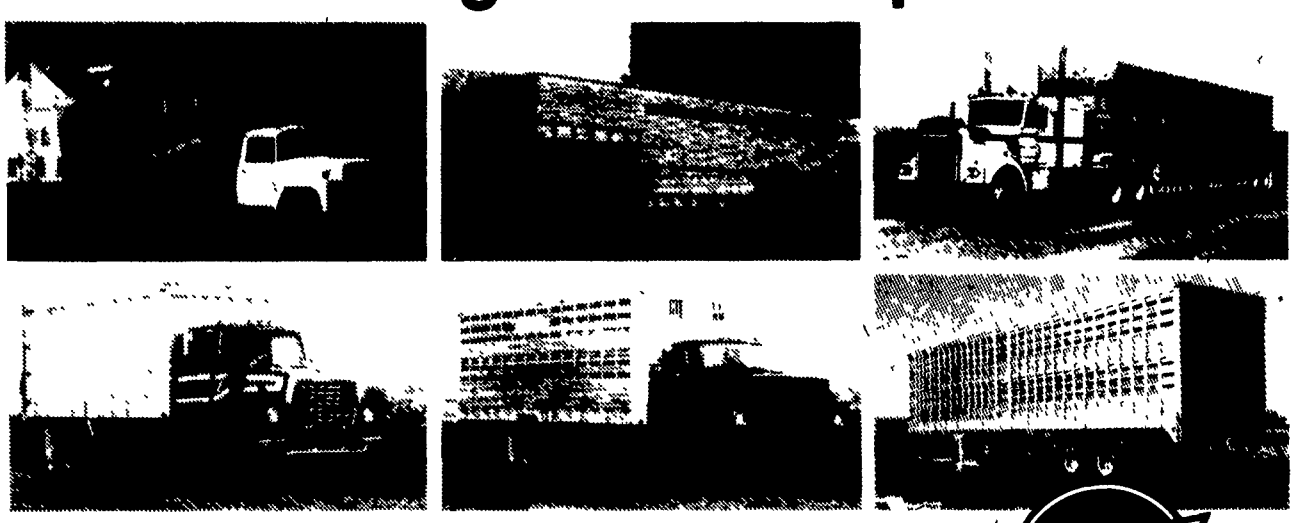

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Look for high return, corn growers urged

(Continued from Page A17)

Herbicides and Yields

Can a herbicide alone deliver high yields for a grower? "As far as any correlation between higher and lower yield with any one herbicide, we haven't seen it at the universities that I have been at," said Dr. Michael Barrett, department of agronomy at the University of Kentucky.

Barrett also has done research at Michigan State University on the safety of herbicides. "We found that the leading corn herbicides look very safe in corn at rates much higher than anybody would conceive of using. And I don't envision doing much more research because that's been the story through everybody's trails at many universities."

Dr. Marshal McGlamery, agronomist at the University of Illinois, said you can't look at one part of the puzzle to determine why one field outperforms another. "You've got to put the whole package together–what a herbicide will do. Yield is just part of the story. We've talked about its performance and what it wil do–will it control the weeds? We've talked about its safety–personal safety, environmental safety. We've also, of course, got to bring in the concept of convenience. Does it fit his needs? Hid equipment? The cost is also part of it. So, no, yield's not the total picture. You've got to have a better package than that."

The correlation between herbicide use and yield is effective weed control, said Doersch. But he pointed out two other factors that he considers equally important as growers evaluate their herbicide performance: potential for crop injury and environmental symptoms that are often confused for herbicide injury.

"I look at the possibility of crop injury more critically than I do weed control," Doersch said. "If I see some herbicide injury, particularly early in the season, I'm going to be very wary and look analytically at the yields coming out of those particular treatments. If no injury shows up, I don't see any advantage of one corn herbicide over another.

"Mother Nature can, at times, cause symptoms on developing corn seedlings that will mimic the effects of herbicide injury," he continued. "One of the most difficult challenges I find each year is trying to differentiate between herbicide injury and injury caused by the environment. I've often made the comment to growers that I wonder what they blamed strange looking corn plants on before herbicide treatments were used. I'm not saying herbicides are always innocent, but I think many times herbicides are falsely accused of producing symptoms in the field which in actual practice, Mother Nature is responsible for."

Herbicide Performance Goals

A grower should base his herbicide performance goals upon the "economic level of control," said Barrett. "We sometimes say in some crops if we don't have a few weeds out there you probably used too much herbicide. We have to look at the long-term vs. short-term answers and problems in that area, too. But, basically you want to get the weed population down below the point that you are going to see a yield reduction."

Doersch said growers need to be aware of which herbicides will perform better than others in certail soil types, which will perform under their particular conditions, and which will perform better under their particular conditions, and which will perform better under reduced tillage. "Most importantly, the grower has to look at adapting a herbicide treatment that's going to come closest to solving his particular weed problems. Get the weed identified, consider the intensity of that problem, and select the right herbicide treatment."

Excerpts from the videotape symposium are being made available to growers throughout the Corn Belt. Dr. Jack Ellis, director of biological research for Ciba-Geigy, makers of Dual herbicide, said the symposium was conducted to help growers "pay more attention to the inputs that go into high yields. We thought that the economic environment at this particular time was conducive to a program like this. It fits into our theme of support for the American Farmer."

To obtain a transcript of the Video Symposium on Corn Productivity, contact your local Ciba-Geigy Representative or write to: "Video Symposium," Ciba-Geigy Corporation, P.O. Box 18862, Greensboro, NC 27419-18862.

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TYPE 41 We will be scheduling to sell some Type 41 tobacco for sales beginning Jan 13. We have a few southern buyers with orders who have expressed interest in buying 41 over the auction We will also be inviting local Type 41 buyers If they won't follow the sale it should indicate to you farmers what type of tobacco to farm next year If we can't sell our 1985 Type 41 crop we should be smart enough not to farm it any more. We all know if it wouldn't have been for the introduction of Type 609 tobacco the tobacco industry would still not be much in Lancaster County

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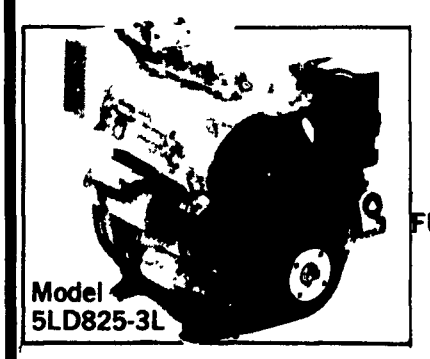

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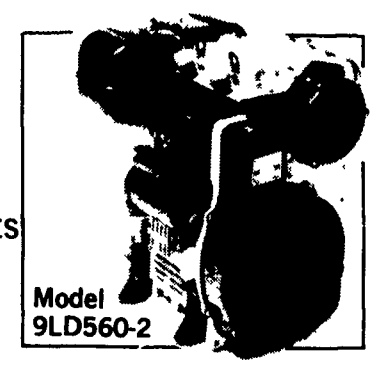

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SELECTED FUTURES CONTRACT PRICE	_____
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(+ OR -) ADD OR SUBTRACT BASIS FOR THE DELIVERY MONTH	_____
= EXPECTED CASH PRICE	_____
THE DECISION	
COMPARE EXPECTED CASH PRICE	_____
- TO SALES PRICE OBJECTIVE	_____
= INDICATED PROFIT OR LOSS	_____

Prepared by University of Delaware extension crops marketing specialist Carl German.

Worksheet for grain marketing

NEWARK, DE. – Projections are that carry-over corn stocks will be close to 3.052 billion bushels by the end of the current marketing year. This compares to the end of the 1982 season when corn supplies carried into the next marketing year totaled 3.120 billion bushels.

The similarity in carry-over dictates that producers plan carefully and make prudent marketing decisions, says University of Delaware extension crops marketing specialist Carl German.

"Begin your marketing plan by setting price objectives based on your cost of production," he says. "Once your objectives are set you can readily determine, among other things, whether participation in the 1986 farm program will pay. You can also compare your objectives to forward cash contract prices which may be locked in."

German suggests farmers use the accompanying worksheet to anticipate the profitability of cash grain sales decisions available at any time during the coming year.

Preventing farm fires

NEWARK, DE – Because most farms are far from fire fighting equipment and have a limited water supply, they're especially vulnerable to fire. But farmers can do many things to reduce fire risk. University of Delaware extension farm safety specialist Ron Jester offers this list of fire prevention measures:

* Never permit smoking in barns or near flammable materials.
* Never refuel engines inside a building or while an engine is hot or running.
* Avoid spontaneous combustion in hay by making certain all hay is properly dried before putting it into the barn.
* Have all electrical installations and wiring inspected and approved by the proper authority.
* Burn all rubbish in an incinerator equipped with a spark arrester. The incinerator should be located 100 feet from major buildings.
* Equip all major farm buildings with lightning rods in accordance with Lightining Protection Institute guidelines.
* Equip crop dryers with controls that automatically shut off blowers or dampers when temperatures get too high.
* Store pesticides in a seperate building clearly identified by a warning sign.
* Never store fuel inside a building.
* Never field burn anything.
* Ask your local fire department to check your operation regularly for potential fire hazards.

Fires can be prevented, Jester says. On the farm, prevention is everyone's job.

Gypsy moth hearings set

DOVER, DE. – The Delaware Department of Agriculture has scheduled three public hearings in New Castle and Kent Counties to discuss the 1985-86 Gypsy Moth Suppression Program.

The Plant Industry Supervisor, Linda Bradley, says the meetings will cover the 1985 egg mass survey results and plans for spraying in New Castle and Kent Counties in 1986.

"We're planning to spray approximately 53,000 acres this year," says Bradley." We will be using B.t. or Bacillus thuringiensis, which is not harmful to humans, livestock, pets, and so on; and Dimlin, an insect growth regulator, which also does not affect humans, livestock or pets."

The meetings are open to the general public. They will begin at 7 p.m. and end by 8:30 p.m.

The scheduled meetings are as follows: January 8th, Hartly Fire Hall; January 14th, Harrington Fire Hall; and January 21st, Townsend Fire Hall.

Persons wanting further information about the meetings should contact Linda Bradley at 736-4811 or 800-282-8685 during working hours.

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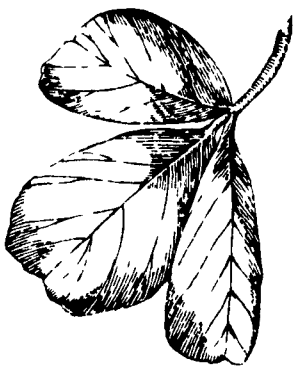

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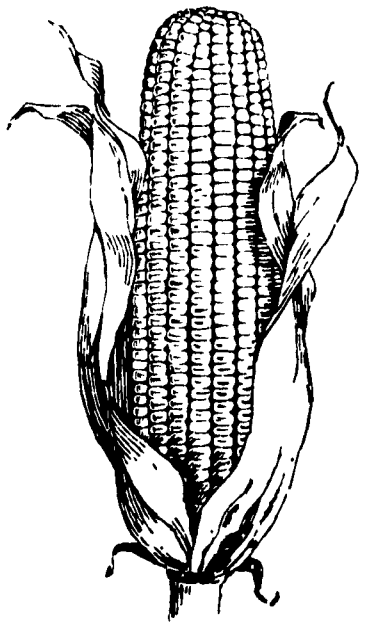

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Scientists say our food supply is safer than ever

ITHACA, NY. – America's food supply is safer now than ever before. So concluded a panel of scientists who participated in a recent Cornell University symposium on "The American Food Supply: Are We at Risk?"

There are exceptions, but these are not the risks the public worries about, the speakers said. Existing laws and regulations have dealt effectively with the problems of the past, and they continue to provide Americans with the most carefully regulated food supply in the world.

What worries the public? What are the real risks? How are risks assessed and managed?

Symposium speakers addressed these questions and related issues during the two-day conference, co-sponsored by the Institute for Comparative and Environmental Toxicology, the Institute of Food Science, and the Division of Nutritional Sciences, all at Cornell.

"Americans are concerned about the safety of the foods they eat," said Isabel Wolf, a consumer nutrition consultant.

Although the cholesterol, sugar, and sodium content of foods and the relationship between diet and health worry Americans, she said, the leading consumer concern is the presence of chemical residues in food.

The real risks from the food supply, however, are not those perceived by the public, said Virgil Wodicka, a food technology consultant who was formerly director of the Bureau of Foods in the Food and Drug Administration.

Citing the major hazards, he said that disease-causing microorganisms in food are the most important risk, and that malnutrition is another important hazard.

Pesticides and food additives were last on his list because the incidence of adverse health effects from these substances is low and because the problems they present are under control through effective regulatory measures, Wodicka said.

Many natural chemicals present in foods may be more hazardous than synthetic chemical residues, according to William Havender, a California-based consultant on environmental carcinogens. Evaluation of naturally occurring food chemicals with the same criteria used to assess the carcinogenicity of synthetic chemicals, he said, showed that many kinds of natural substances may be involved in causing cancer.

The potential cancer hazards posed by natural chemicals in bacon, mustard, mushrooms, and shrimp, for example, far exceed hazards posed by the daily dietary intake of DDT, PCB, or EDB, he claimed.

"Food additives and chemical contaminants individually are most likely to play only a minor role in cancer risk in the United States," said Sushma Palmer, executive director of the Food and Nutrition Board of the Commission of Life Sciences in the National Academy of Sciences.

Discussing the association between diet and cancer, Palmer said that certain dietary components such as fat and large quantities of cured, pickled, or smoked foods appear to be linked to increased cancer risk, yet the reasons for these effects are poorly understood.

Eating unwisely may be the most serious health risk, according to Victor Herbert, chief of the Hematology and Nutrition Laboratory at the Veterans Administration Medical Center, Bronx, NY.

Disease, nerve damage, birth defects, and even death result from fad diets which are immoderately high or low in one or more of the four basic food groups. Some people try to get their nutrition from "pills, powders, potions, poultices, and perfusions," Herbert said.

"The important lesson is that less is better, and we should do whatever we can to reduce our exposure to unnecessary chemicals," said Sidney Wolfe, the founder and director of the Health Research Group in Washington, DC.

Chemicals that occur unnecessarily in the food supply are food dyes, which have no therapeutic or preservative benefit, he pointed out.

Regulatory agencies that monitor the safety of the American food supply face many dilemmas, said Christine Chaisson, director of Technical Assessment Systems Inc., Washington, DC.

Only recently has the government begun to consider the effects of food processing on the nature and amounts of chemical residues in food, she said.

"The laws regulate at the farm gate. Unfortunately, you don't eat at the farm gate," Chaisson said. "You eat at home after your food has been washed, bleached, concentrated, heated, frozen, or mixed; this can change the content and the nature of the chemical to which your risk was calculated," Chaisson said.

Because there will always be risks in the food supply, how much risk is acceptable becomes the cornerstone of regulatory policy toward food contaminants, said Paul Hopper, corporate director for scientific affairs, General Foods Corp.

Hopper stressed that Americans must be educated to distinguish the real risks from the specter of risk often raised in the news media.

By following the USDA's "Dietary Guidelines for Americans" with moderation, balance, and variety, Americans can enjoy the healthiest and safest food supply available, he said.

Other speakers and their presentations were Stephen Taylor, an associate professor in the Food Research Institute at the University of Wisconsin-Madison, on food-related allergies; Alan Rulis, assistant to the director, Division of Food and Color Additives at the FDA's Center for Food Safety and Applied Nutrition, on the FDA's priority-based assessment of food additives project; Mark Hegsted, professor emeritus of nutrition at Harvard Medical School, on the role of diet in disease; and Sidney Green, associate director of Laboratory Investigation, FDA's Division of Toxicology, on future research needs.

THINK AHEAD...
Read Futures Markets on Page 3.

Alfalfa growers demand the best.

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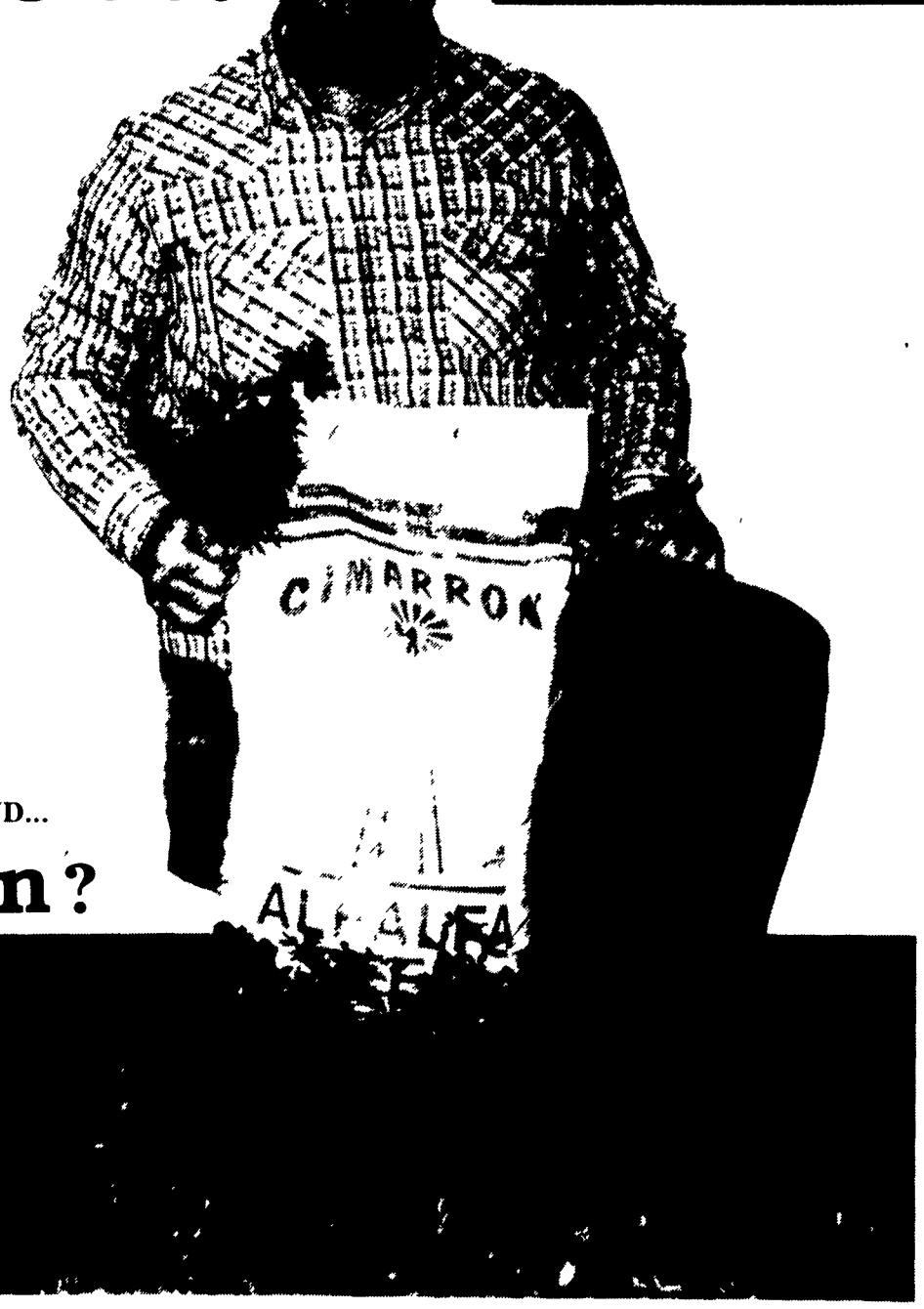

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Cornell researchers develop disease-resistant alfalfa

ITHACA, NY — Help is on the way for farmers facing an uphill battle against two major alfalfa diseases — anthracnose and bacterial wilt.

A new alfalfa variety capable of thriving under the attack of these two destructive alfalfa maladies has been perfected by a team of Cornell University scientists.

Named "Mohawk," the new alfalfa made its commercial debut earlier this year in New York State with a limited supply of seed. It will be available widely in time for next year's planting season with adequate amounts of seed to go around.

A product of 12 years of work by Royse P. Murphy and two other plant breeders — Carl C. Lowe land Donald R. Viands — all in the New York State College of Agriculture and Life Sciences at Cornell, Mohawk has a high degree of built-in resistance to both diseases.

Anthracnose, a fungal disease, is serious in the mid-Atlantic states as far south as South Carolina, and in other parts of the country as far west as Illinois, Wisconsin, and Iowa.

This ailment poses no immediate threat to New York State except for occasional flare-ups in the lower Hudson Valley area, but it's a perennial menace in portions of Pennsylvania, New Jersey, Maryland, Virginia, and other parts of the south.

"Anthracnose is caused when the weather turns warm and humid in summer," Murphy explains. "In serious cases, it can wipe out the whole crop."

More widespread than anthracnose is bacterial wilt, which attacks almost all alfalfa-growing areas of the nation. A staple for farm animals, especially dairy cows, alfalfa is grown from coast to coast, all the way from Maine to California.

"Mohawk is more resistant to this bacterial disease than any other varieties we have developed at Cornell thus far," Murphy notes.

One of the foremost breeders of alfalfa and other hay crop varieties in the nation, Murphy is credited with developing a series of top alfalfa varieties that have been used widely throughout the Northeast over the past 25 years.

In addition to Mohawk, alfalfa varieties developed under Murphy's leadership are Cayuga (1960), Saranac (1963), Mark II (1965), Iroquois (1967), Oneida (1970), Saranac AR (1974), and Honeoye (1974). More recently, Murphy cooperated closely in a project that has resulted in a variety called "Oneida VR," which has strong resistance to yet another alfalfa killer known as "Verticillium wilt." Oneida VR moved into commercial production in New York State on a limited basis this past spring.

Some of these Cornell varieties have become obsolete as new, superior ones became available, but Oneida, Iroquois, Saranac AR, and Honeoye together still dominate alfalfa production in the northeastern part of the United States, including New York.

Mohawk actually is an improved version of the highly popular Iroquois alfalfa, with more resistance to anthracnose than Saranac AR, the first anthracnose-resistant Cornell variety introduced in 1974.

"Mohawk will replace Iroquois eventually," Murphy predicts. "In the absence of anthracnose, Mohawk is similar to Iroquois in yield, among other traits. For one thing, it recovers quickly after the crop is cut."

Alfalfa is harvested three times a year in the Northeast, but in California the crop is cut as many as 10 times. Hence, vigorous plant recovery after cutting is an important feature in alfalfa.

"Even when anthracnose is serious, Mohawk can provide a respectable yield," Murphy assures.

Like Iroquois, Mohawk performs well in well- and moderately-drained fields. It has high seedling vigor, matures 2 to 4 days later than Saranac AR, and is winter hardy in the northern climate.

"It should do well in areas where Iroquois is now grown," Murphy says. "In areas where anthracnose or bacterial wilt is a problem, Mohawk should be the choice."

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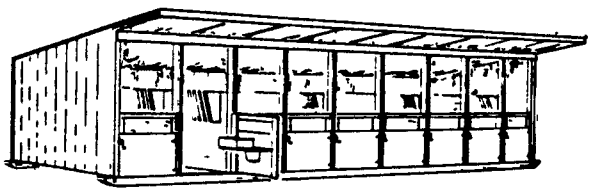

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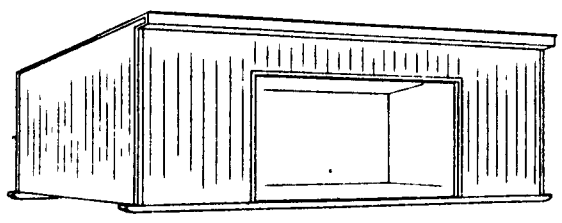

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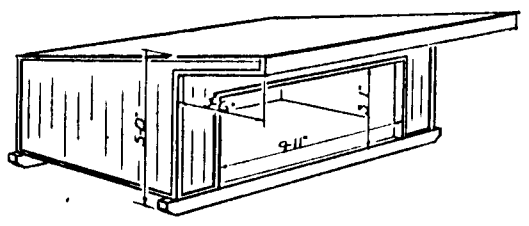

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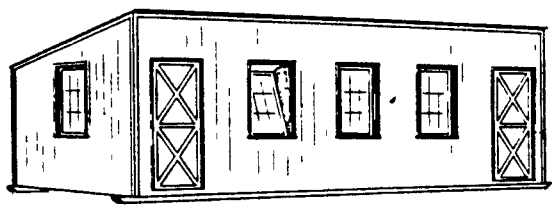

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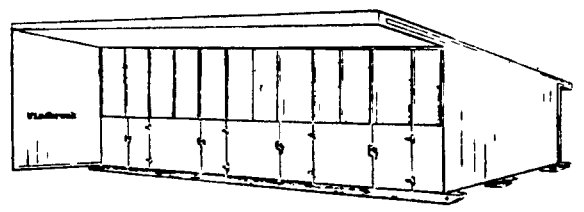

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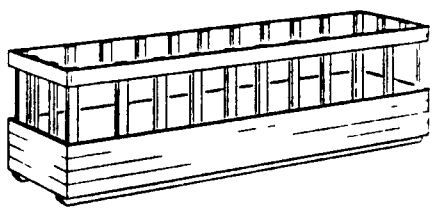

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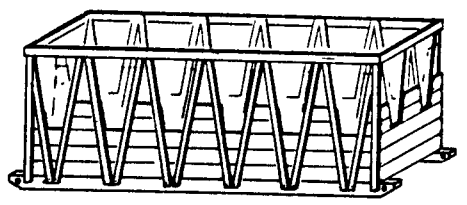

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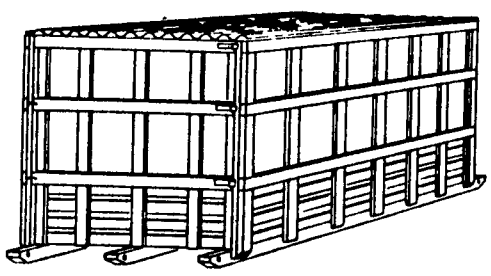

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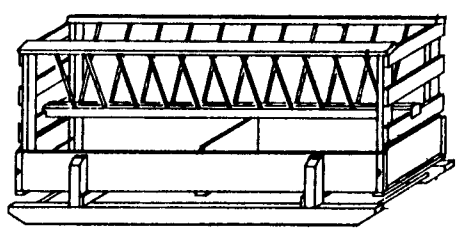

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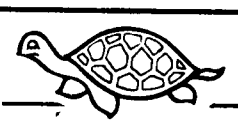

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Sechrist Sales becomes York County Livestock Sales

BY JOYCE BUPP
Staff Correspondent

STEWARTSTOWN — As of this Monday evening, January 6, Sechrist Sales livestock auction has a new name: York County Livestock Sales, Ltd.

Along with the name change goes a new auction ownership. Stan and Mary Nagle, Media, have purchased the livestock sales firm from long-time operators Bob and Millie Sechrist.

With the exception of the new name and owners, the operations of the livestock auction will remain virtually unchanged.

"It will stay as much the same in operations as is possible," emphasizes Stan Nagle. "Tom Sechrist will stay on as auctioneer. The time, the place, the people won't change. It's been successful for 22 years and we will continue it that way."

"The auction is a good existing business with an unlimited potential," Nagle believes. "There are no other livestock auctions in about a 35 mile radius."

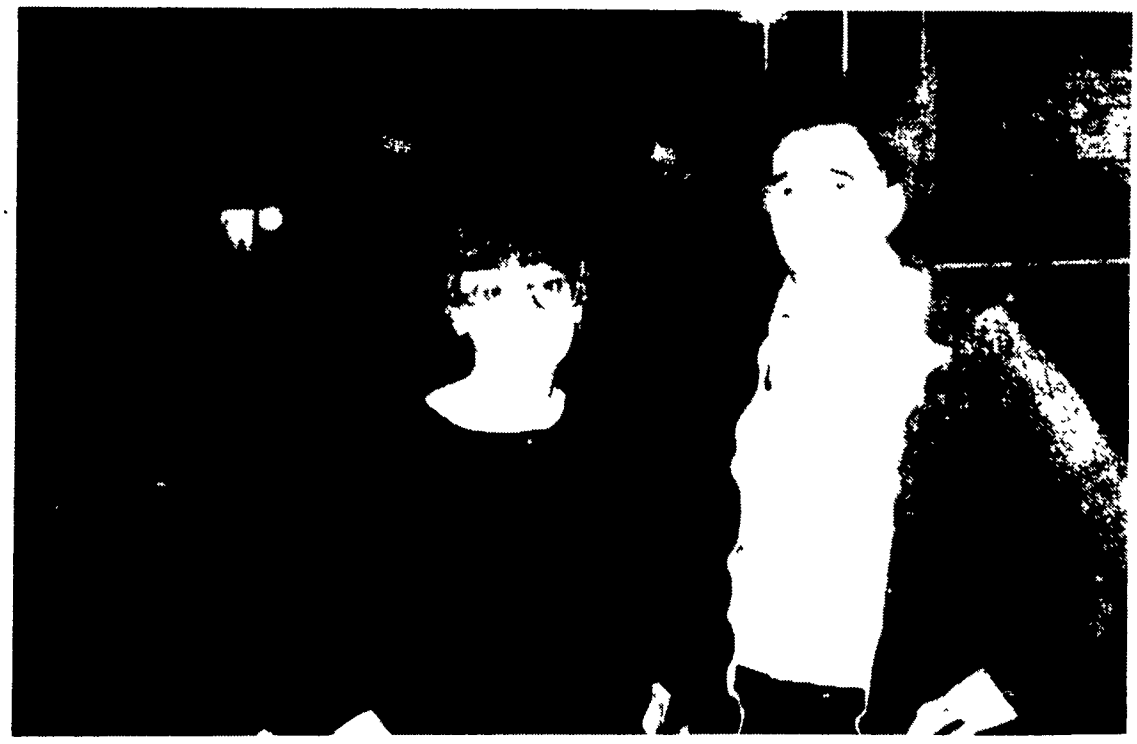
Nagle also plans to continue the Hatfield Company's private treaty hog sales handled at the auction site. Hours of private treaty business will continue on Monday mornings, from 7 a.m. through noon.

Area farmers are invited to join the new owners for their opening night celebration, with free coffee and donuts available for everyone in attendance during the January 6 auction hours.

Plans also include reopening of the auction's restaurant at a later date.

Nagle, a long-time employee of the Boeing Aircraft firm in Delaware County, has family roots in the area. His grandfathers operated farms in both York County and in nearby Maryland, and other relatives are York County residents.

As a teenager, he spent considerable time working at auction businesses, and recalls earning paychecks equalling about fifty cents per day. In ensuing years, he has worked with Bob Frame of Vintage Auction, and has been custom retailing bulk beef to friends and business associates.



Stan and Mary Nagle are the new owners of the former Sechrist Sales livestock auction. Their York County Livestock Sales, Ltd., will continue operating unchanged on Monday evenings at the Stewartstown location.

Former auction owners, Bob and Millie Sechrist, seated, prepare to turn over the reins of the livestock sales business to buyers Stan and Mary Nagle.

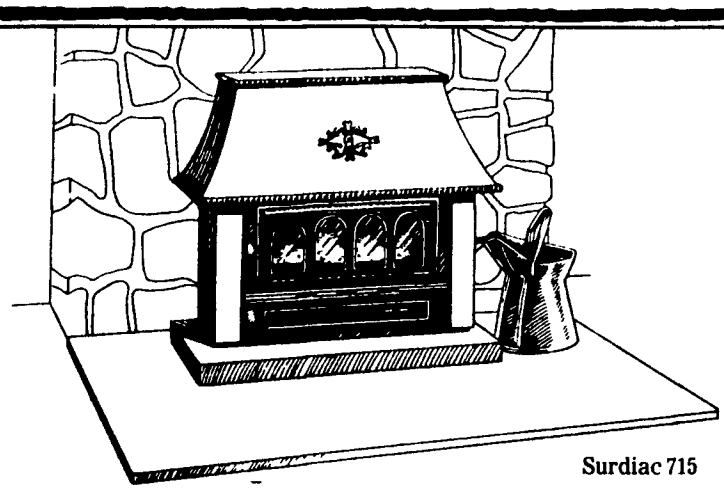
Looking ahead, Nagle plans retirement in two years, leaving him time to devote his energies to his new auction-ownership career. Although the couple has three children, they have no plans at present for involving them in the business.

"I'm looking for a way to make a decent living after I retire, in a way of providing a service to people, with no set hours day after day. And I like the philosophy of country people, their basic honesty," Nagle adds, reflecting on his reasons for the livestock business acquisition.

He credits Bob Gable, of the Fawn Grove offices of the York Bank, for assistance in finalizing the business arrangements with the Sechrists.

Bob Sechrist plans to continue his public sales business, which includes auctioneering weekly at two automobile auctions and two antique consignments. But after nearly 22 years with the livestock business, he wants to cut back on commitments, and plans to fulfill an earlier promise to his wife about a trip to Hawaii after their 30-year wedding anniversary.

York County Livestock Sales, Ltd., and the new owners may be contacted by calling 717/993-2564 or 717/993-2565.



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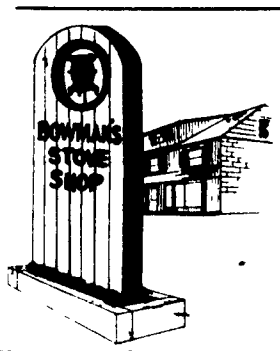

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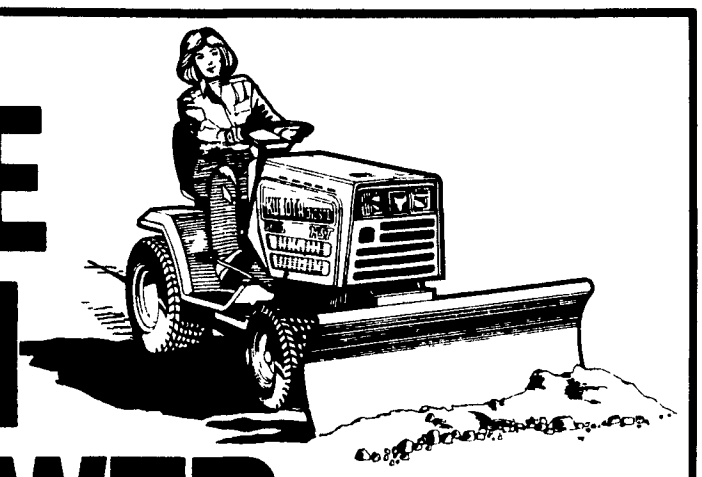

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Adams Electric refunds $501,965

GETTYSBURG — General Manager Dan Murray announced that Adams Electric Cooperative, Inc., a non-profit rural electric utility has refunded $501,965.15 in patronage capital to its members. Refunds will go to 21,111 current and former members this week. This latest refund raises the member cumulative refunds to approximately $2,560,000 since the beginning of the corporative in 1940.

According to Murray, the refund is comprised of three small special refunds and one large general refund. Special refunds have been made to estates of recently deceased members, to inactive accounts with patronage balances of less than $35, and to members and former members owed patronage capital for 1963 and 1964. These special refunds are being made in lump sums, rather than annual general refunds over an extended period of time. The remainder of the refund is general refunds based upon 5 per cent of total of all active and inactive account patronage balances of accounts receiving services 1965 through 1984. The only exception is the fairly new consumer who is due a refund of less than $5. In this case, the cooperative is holding the money until future cumulative refunds exceed the cost of processing a check. Murray credits Joeseph L. Cole, Manager of Finance and Management Services, with improving the system of refunding to allow early retirement of deceased estates and to progressively clear remaining balances from general retirements.

Patronage capital is unique to nonprofit cooperatives. In a rural electric cooperative, the margins do not belong to the cooperative — they belong to the individuals who paid the money on their monthly service bills. The cooperative bylaws provide that the excess of operating revenues minus expenses be considered as capital and furnished by the patrons (co-op members). A sufficient reserve must be kept on hand to provide operations funds and reserves against emergencies such as storm damage. All remaining margins are refunded to the member as financial conditions permit.

Adams Electric Cooperative, Inc. currently has $35,000,000 in assets and has nearly 1,100 miles of electric lines serving over 18,000 accounts in Adams, Cumberland, Franklin and York Counties.

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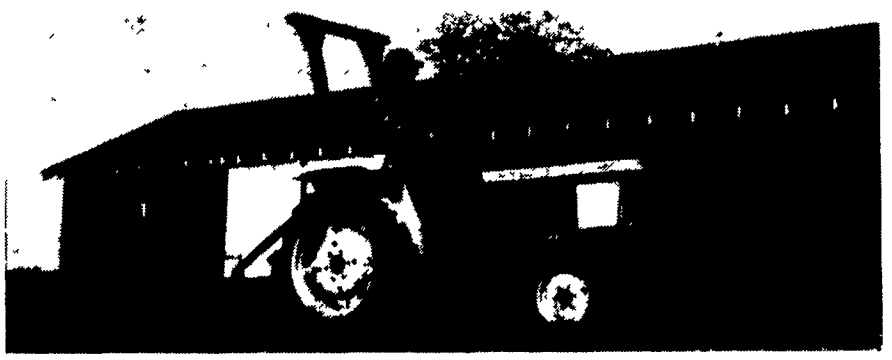

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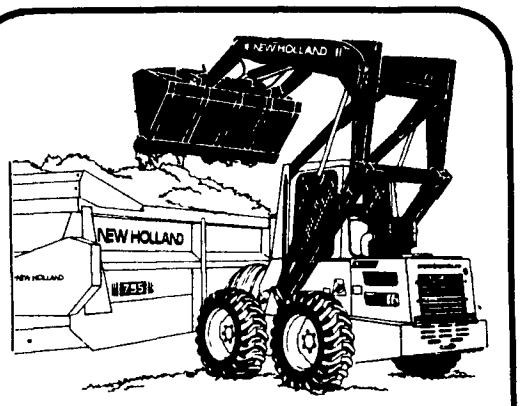

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• 848-849-853-855-858 Round Balers	$600
• 426 Rectangular Baler	$600
• 411-495-499-116 Mower Conditioners	$600
• 718-782-900 Forage Harvesters	$600
• 1036-1037-1052 Bale Wagon	$700
• 505-1426 Rectangular Balers	$1,300
• 1100-1116-1496 S.P. Windrowers	$1,300
• 1600 Forage Harvester	$1,300
• 1900-2100 S.P. Forage Harvester	$4,000

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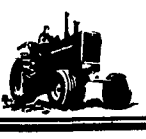

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Update on farm labor issues in Maryland

COLLEGE PARK, MD – There have been no major events in the farm of labor situation since last spring's change in the Maryland law on workmen's compensation, but some items are brewing in both the state and national legislative process.

The Maryland legislature may have to consider workmen's compensation again. As reported in Economic News Notes last June, H.B. 106 as finally passed and signed by the Governor states that employees subject to provisions of the compensation Act include, "Any person receiving renumeration from a farmer or a dairy farmer for services performed...

"Where migrant labor is being used by a farmer but being hired by a crew leader, it is being interpreted that the farmer need only have the crew leader covered by compensation regardless of the size of the work force or payroll.

Migrant workers who work with machinery and equipment, however, have to be covered. The intent and interpretation of this phrase may have to be clarified.

In April 1985, OSHA (Occupational Safety and Health Act) officials announced they would not issue regulations on field sanitation standards. These standards would have required that farmers provide toilet and handwashing facilities and drinking water for field workers within a certain distance of their work.

Then on September 11 of this year, Labor Secretary Brock, under some congressional pressure, announced that the issuance of field sanitation was on "hold" for eighteen months. And on October 21, the Department of Labor announced its intention to implement OSHA standards by April 1987 unless states chose to develop their own standards by January 1987.

State standards would have to meet certain criteria set by DOL; essentially standards equivalent to the 1984 OSHA standards with evidence of adequate enforcement. If OSHA determines that the farmworker population is not sufficiently protected under state standards, it will promulgate federal regulations within the state.

Thus Maryland or MOSHA have until January 1987 to develop and implement adequate field sanitation regulations to forestall Federal imposition by April of 1987.

Also at the federal level, the Senate passed S-1200, Senator Simpson's Immigration Reform and Control Act. This bill covers such areas as search warrants (required to enter a farm), temporary foreign and seasonal workers and amnesty.

A Commission on Temporary Agricultural Workers Programs will be established a Seasonal Agricultural Worker Program will be authorized and H-2 will be replaced by a new category for temporary foreign workers.

The House is currently considering H.R. 3080, with some differences. When and if a final vote by the House, approval by a conference committee and signature byt he President occur, the substance of the Act will be provided in a future article.

Can environmental planning prevent political chaos?

ITHACA, NY – "Real national security is in the stability and productivity of the environment and in the social and moral strength of the people–not in military armaments."

So said George W. Olson, an associate professor of soil science at the New York State College of Agriculture and Life Sciences at Cornell University, in an address at the annual meeting of the Soil Conservation Society of America in St. Louis.

A country's environmental resources, he said, affect the well-being of its citizens, and inadequate or mismanaged resources lead to international hostilities.

The Cornell scientist cited Iranian terrorists as an example of the connection between the environment and political turmoil. Iran's harsh, arid climate and long history of invasion by neighboring countries in competition for what little water exists there have led to mass frustration and anger, he explained. One outcome is terrorism aimed at other nations, especially the privileged.

In Central America, Olson said, rain forests are rapidly being destroyed to create pastures for beef cattle. The beef is imported for use by the fast food industry in the United States and provides a fast profit to a handful of individuals.

Entire communities of people are uprooted from the rain forests, where they have been established for thousands of years, he said. As a result, they are forced to live either in ghettos or on steep, infertile land where they cannot farm.

"The resulting poverty and political instability are the makings of revolution," he said.

Olson suggested at least 10 percent of every country's budget be devoted to environmental conservation and management. This represents a fraction of the world expenditures for armaments, for which "in excess of $1 million per minute are being spent worldwide."

"Education, environmental-resource inventorying, and long-range policy planning to conserve resources can prevent much of the political chaos that otherwise lies ahead, the Cornell scientist stressed.

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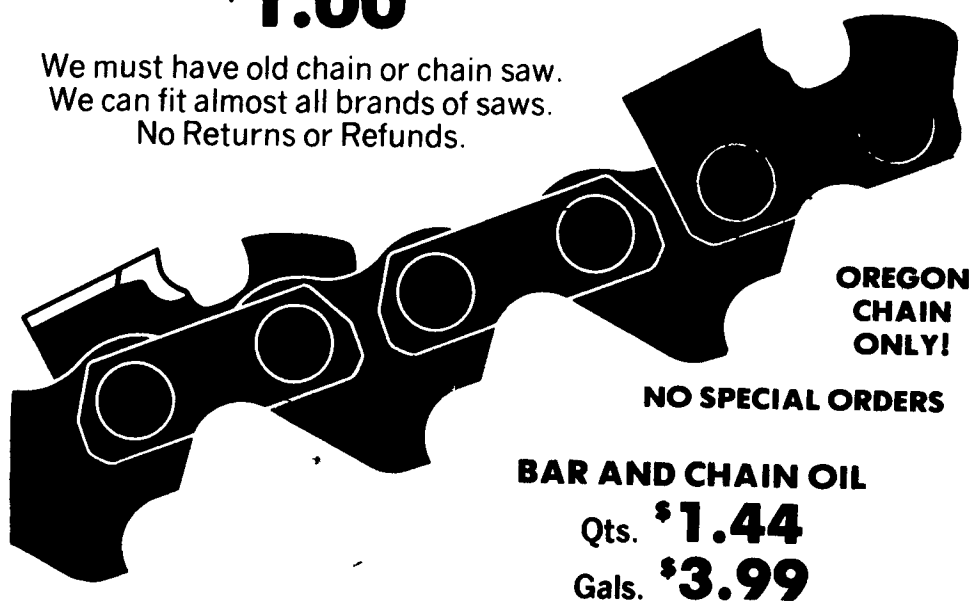

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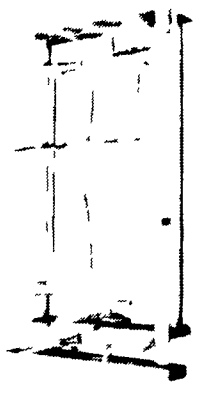

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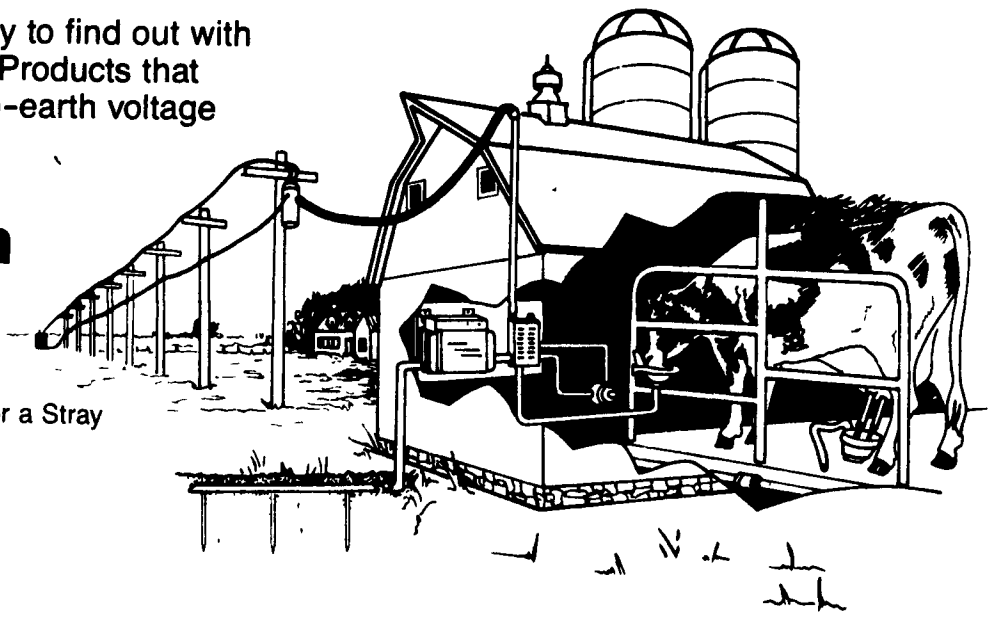

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Order 2 dairymen could have earned $32 million in diversion, study says

NEW YORK — According to a report released by Market Administrator Thomas A. Wilson, thousands of Federal Order No. 2 dairy farmers who did not participate in the 1984-85 Milk Diversion Program (MDP) lost the opportunity to receive $32 million in MDP payments.

Wilson said that a study conducting by his office shows that 4,386 dairy farmers reduced marketings to MDP-qualifying levels during the fifteen months of the program (January 1, 1984-March 31, 1985).

However, only 1,279 of these farmers signed a MDP contract and were eligible to receive payments. The remaining 3,107 farmers would have been eligible for $31.7 million in payments ($10,215 per farm), had they anticipated the level of their marketing decline and signed a diversion contract to that effect.

There were 1,935 New York farmers, 106 New Jersey farmers, and 1,064 Pennsylvania farmers who reduced marketings sufficiently but did not sign contracts. These farms lost $20.8 million in New York ($10,730 per farm), $1.2 million in New Jersey ($11,792 per farm), and $9.7 million in Pennsylvania ($9,136 per farm).

However, the total loss for all farms in each state was probably substantially higher because only about two-thirds of all New York and New Jersey farms and about one-third of Pennsylvania farms ship their milk to Order No. 2 regulated handlers and were included in the study.

Potential losses for each state and the entire Order are also underestimated by the study since only those farms which remained in business and marketed milk under Federal Order No. 2 throughout the entire MDP period were included in the study. Farms which went out of business during the MDP period were not included.

In each of six New York counties and three Pennsylvania counties, payments lost by Order No. 2 farms mounted to more than $1 million. These counties were Chenango, Jefferson, Oneida, Otsego, St. Lawrence, and Steuben in New York and Bradford, Lancaster, and Tioga in Pennsylvania.

Copies of the study may be obtained from the Office of the Market Administrator, 708 Third Avenue, New York, New York 10017.

Signup for ASCS cost-sharing

LANCASTER — The Lancaster County Agricultural Stabilization and Conservation Service will begin accepting requests for cost-share assistance under the Agricultural Conservation Program beginning January 2nd.

Any farmer who needs to install a conservation practice in 1986 may be eligible for monies of between 50 and 75 percent of the costs. Up to $3500 can be earned in one year.

LeRoy Welk, Chairman of the County ASC Committee, said that all requests filed at the ASCS Office by Jan 31 will be reviewed together. He emphasized that approvals are made on a priority problem basis.

For the program to be cost-effective, the most severe problems get first chance at being accepted for cost-sharing. Approvals are no longer made on a first-come, first-serve basis.

Practices that are eligible for cost-sharing are sod waterways, diversions, terraces, contour strips, cover crops, animal waste systems, no-till plantings, and spring developments.

To be eligible for assistance to install these practices, the work can not begin until approval has been granted by the Committee. Most of the practices have a required life span of 10 years after the year the practice is installed.

Welk said that funding has been reduced from previous years but the demand for cost-share is not as great either. Limited cash-flows have prevented some farmers from spending money on conservation work.

Those farmers who can afford their share of the cost but need assistance in cost-sharing should file an application at the ASCS Office in the Farm and Home Center by Jan. 31.

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The Dairy Business

By Newton Bair

Watch out for red flags

Maybe I'd better define right from the start what I mean by "Red Flags". They are the little signals that flash across the mind to caution us when something serious is happening.

Lots of examples can be cited, for they are plastered all over the headlines and in the five, six and seven o'clock news.

But the most important flags may be those very private ones that don't hit the news. They often tend to be hidden, like thorns among the roses.

You will soon receive your year-end summary for the 1985 business year from your accountant. Learn to look at it very critically, and if possible make comparisons with the average figures for the State or county.

Your Accountant will be glad to point out any weaknesses that will raise a red flag. If you don't have an accountant to analyze the farm business, start right now to assemble your data for the 1985 Income Taxes.

Clean out the desk, get the account book up to date, and categorize all expenses and income. And resolve to do better next year.

Now about those flags, if you do not already see them waving fast and furious. The first one I look at is the Debt-to-asset ratio. Divide your total debts by your total assets, (value of land, buildings, depreciable machinery, stock, and inventory).

Most farm economists and bankers agree that a Debt: Asset ratio above .4, which is the same as saying your D/A is 40 percent, raises a flag. For example, your farm debts total $100,000 and the total value of all your assets is $250,000, you ratio is 40 percent. If your total debt is $150,000, your D/A becomes .6, or 60 percent.

You may be technically solvent if the D/A is exactly 1.0, or 100 percent! That simply means that if liquidated, the value of assets would pay off the debts, everything even. But you and your family would be naked paupers, destitute, and probably on welfare. Very difficult to borrow your way out of.

Another red flag is Net Worth. That is the difference between the total debts and total asset value. Any young farmer just starting out in business, will have a fairly low net worth, until he has several successful years behind him.

The actual net worth of a farm business should show some growth. But the last few years have slowed down the actual growth of Net Worth, because of lower land values, building and machinery depreciation, and softer cattle prices.

The flag really goes up when I see a farmer's Net Worth eroding away every year, for several years in a row. It can disappear altogether if that keeps on another year or two.

But the biggest red flag of all is when a farm business must borrow money to finance the previous years expenses, several years in a row. It is the one that waves in front of your eyes violently, so can't be ignored.

It is saying that there simply is not enough cash flow to cover the cost of operating the business and feed and clothe the family. Significant adjustments MUST be made, and right away.

A bad year will occasionally hit every farm. Re-financing old loans or a discrete new loan should not be considered a red flag, if other adjustments are made, and recovery is normal. But if borrowing becomes chronic, and no adjustments are made to either reduce expenses or increase income, the flag takes on a crimson glow.

Start early this year to pay close attention to the indicators in your business. Many things will affect the Dairy business this year. Some are beyond our control, but many are still within our grasp to make work.

Work closely with financial advisors, and don't be afraid to discuss your problems with those you trust. And don't hesitate to make adjustments in your business, especially when old habits are costing too much and not returning enough.

Learning to recognize and react to the RED FLAGS can save your business and your family's welfare.

Soybean farmers helping to ease world hunger

ST. LOUIS – Make way for Soybean Aid! U.S. soybean farmers are pitching in to help end world hunger. Through their soybean checkoff investment in the Soybean Association, U.S. farmers help promote use of soy protein to fortify foods in developing nations.

"Because of Soybean Association programs, fewer children are going to bed hungry each night," says Gil Harrison. "And at the same time, U.S. soybean farmers are gaining markets."

Harrison is the American Soybean Association's market development division manager for Latin America. He and other Soybean Association staff and consultants implement programs in Latin America that help U.S. farmers expand soybean markets.

Harrison says the bulk of Soybean Association project funding supports potential markets for soybean meal and oil. But some dollars do go to promote soy protein and play a small but crucial part in expanding soybean markets.

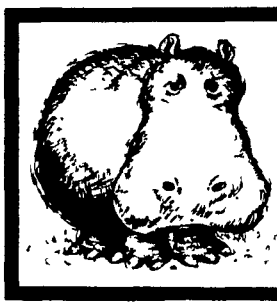
"In the Dominican Republic, 400 children will soon participate in a special six-month nutrition program to document the benefits of soy protein in the diet," says Harrison.

Earlier this month, the S.S. Unicorn Express arrived at the port of Santo Domingo carrying two tons of soy protein products. The products were donated by the Soy Protein Council for use in Soybean Association-sponsored child nutrition programs.

Under the direction of Soybean Association nutrition consultant Dr. Haydee Rondon – a doctor at the Robert Reid Memorial Children's Hospital in the Dominican Republic – the soy protein will be incorporated into spaghetti, sausages, and bread. Nearly 400 children at the hospital, a government day care center and an orphanage will be the daily beneficiaries of these fortified foods.

"Children who receive this additional protein should grow healthier and stronger quicker. And that's what we want to show the Dominican government," says Harrison.

"Worldwide, a lot of people can't afford meat, but they still need protein. We're showing people that soy can do the trick. If it is used correctly in foods and beverages, it is quite palatable," says Harrison. "There's a long-term benefit to this program. Through the Soy Protein Council, our cooperators in this project – Cargill, Archer Daniels Midland, Central Soya, A.E. Staley and Grain Processing Corp. – will take what we learn in the Dominican Republic to the protein-starved countries of Africa and Asia."



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IOWA AGRICULTURE Tuesday, July 23, 1985

reserves

of hay would you ? high temperatures in

Foreign farmers are fierce competitors

Iowa Farmer Today/Saturday, May 4, 1985 3A

orld leaders lack g understanding, orlaug tells group

Sonja Hillgren
farm editor

ASHINGTON (UPI) — Noble laureate Norman Borlaug told a congressional conference that most world leaders lack understanding of the complexity of agriculture and its importance to the national economy.

Borlaug interjected a global view of hunger, universal shortages and agriculture to a week entitled, Hunger in the Decade."

Lessons learned from that experience have led New Yorkers to be concerned now "about what was happening in Iowa, North Dakota and all the farm states," he said.

In 1979, when Federal Reserve Chairman Paul Volcker tightened the money supply to put a rein on inflation, Paprin was arranging a mortgage construction loan at 10 percent interest.

The deal failed when interest rates rose to 21 percent, a similar increase faced by American farmers who borrow money

go to Brazil, Argentina other countries. Now, the value of the dollar is hurting exports and encouraging foreign countries to grow more grain.

"Although the embargo ended the process it wasn't the only reason got into the bean High prices in US markets during the last were a big factor," says Zimmerman, manager of Con Agral's operations in Brazil .$12 beans in the encouraged foreign farmers

Weather still facto

By Dan Miller
Iowa Farmer Today

Market attention is turning from the condition of the corn crop to

The market objective of $5 price level does see $6.30 bean September obje

News of the

eport own

MARKETS

Ample foreign crops dampen grain outl

By Dan Miller
Iowa Farmer Today

AMES — Prospects for a healthy crop in Iowa have improved with the rains of late, but a recent USDA world crop report muddies that good news with projections of ample foreign grain supplies.

The report states potential grain production worldwide will be 1 percent above last year's levels and 3 percent above the current rate of use.

Increased European

Borlaug described the perspective of the national interest. He predicted the nation would be in a serious recession by the first quarter 1986.

difficulties in a world with rising population growth and hunger. "We won't prevent that chaos with more military armaments," he said.

The conference with several key agricultural

John Chrystal, president Bankers Trust Co. of Moines said the farm crisis like a whirlpool taking first then sucking

weather. But he explains that country is facing a good harvest this year. USDA projects Russia's 1985 grain production could be 15 percent above last year's harvest and that could reduce the nation's import needs by 685 million bushels.

WISNER EMPHASIZES, however, that the Soviet Union is subject to severe swings in the weather and a turn for the worse still must be ruled out.

Mark Brazilian

CANADIAN FARMERS what from wind damage this y replant part of their crop, but not been a problem there, V

This year's Indian and Chi most likely be normal. Wha

Overall, the economist says face another tough, compet world markets.

Adding to weak corn and s is an abundant domestic s While USDA predicts an 8 p in this year's winter wheat pared to last year, it finds the lion bushels) and carryove s of a year's domest

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Potassium's role in crop quality

ATLANTS, GA – Scientists throughout the world have investigated the role of potassium (K) in crop quality. A positive influence has been identified for crops grown in temperate and humid regions, for legumes and nonleguminous plants, for annual and perennial crops, and for crops grown as food, fiber, or ornamental purposes. An in-depth report on these quality factors was presented by Dr. Noble R. Usherwood during proceedings of Potassium in Agriculture, An International Symposium.

Dr. Usherwood, an Agronomist and Vice President of the Potash & Phosphate Institute (PPI), noted that the influence of potassium on crop quality signals specific functions this nutrient plays in plant growth. For example, we know potassium improves protein quantity and quality. This happens because K is essential for the building of protein and efficient use of nitrogen (N).

Quality seed and improved plant standability result when potassium helps with disease resistance and the movement of material within the plant. For crops such as forages, stands last longer due to potassium's role in reduced winter injury and improved plant tolerance to a rigorous harvest schedule, he said.

Scientists continue to study how potassium improves yield and quality. This nutrient sometimes works in an indirect manner...through positive interactions with other nutrients and production practices. More is being learned about potassium's contribution to appearance, shelf life, size, taste, texture, and other quality components of food and fiber products.

The amount of potassium needed for high yield and quality can vary with soil conditions, crop requirements, the growth environment and production management decisions. In some cases, the amount needed for optimum yield also gives desired crop quality. For certain crops best quality and economic return are attained at rates exceeding those required for top yield. Such crops would include tobacco, turf, ornamentals, and some grown for food and fiber.

The awareness is growing about the importance of potassium on crop quality. Research teams are discovering new facts to better understand why and how potassium works in plant growth...and how potassium earned the title of the "quality element" of plant nutrition. Such knowledge put to use gives the best opportunity for maximum economic yield production for the farmer and an abundance of reasonably priced, high quality food for the American consumer.

Franklin Co. sets extension meeting

CHAMBERSBURG – Over 300 persons are expected to attend the sixty-eighth Annual Meeting of the Franklin County Agricultural Extension Association, according to Fred E. Rice, president of the organization.

The event will be held Friday, January 31, at Kauffman's Community Center, starting with an "Ag Commodities Social Hour" at 6:15 p.m., followed by dinner at 7:00. It is open to all Franklin county residents.

Those present will elect five directors for 3-year terms, to represent the townships of Letterkenny, Lurgan, Metal, Montgomery, and Peters on the Association's Board of Directors.

The Association conducts a broad-based educational program within the county in co-operation with The Pennsylvania State University, with local funding provided by the Franklin County Board of Commissioners.

Tickets for the event are currently available at the Franklin County Extension Office, 191 Franklin Farms Lane, Chambersburg; from Conservation District directors, and from Extension Board members: Linda Golden, Betty Gamble, Betty Mummert, Fred E. Rice, Clifford Gayman, Carl D. Wenger, Isaac Horst, William E. Swailes, Clarence Stouffer, John C. Brake, Joseph S. Middour, J. Robert Meyers, Jr., Walter Grove, Jeffrey Funk, Fannie Harbaugh, Wilma Wenger, Marie Starr, Wayne L. Beidel, Michael A. John, Rebecca Schoenberg, Wilma Mickey, Herbert L. Stoner, Terry Gillan, Elizabeth Brown, Jack Diehl, Frances Reichard, and Helen Moe.

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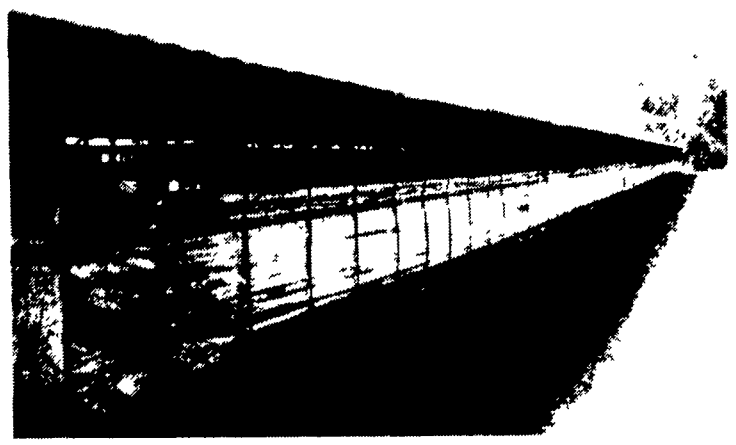

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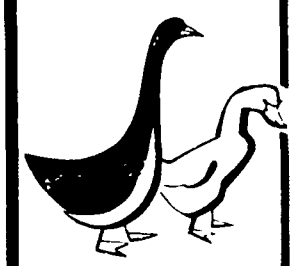

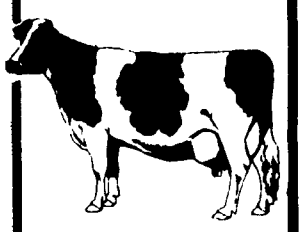

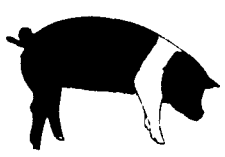

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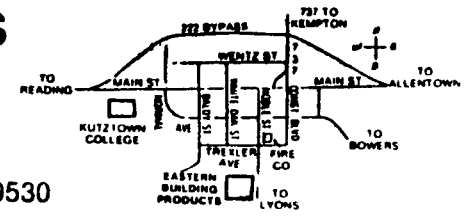

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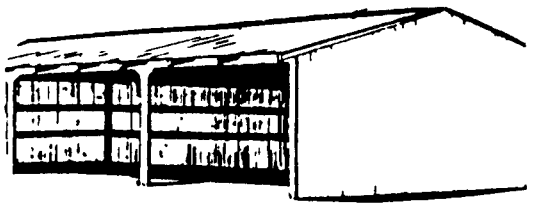

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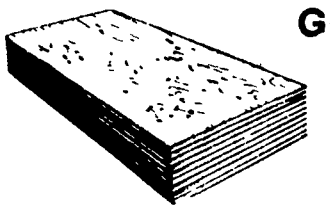

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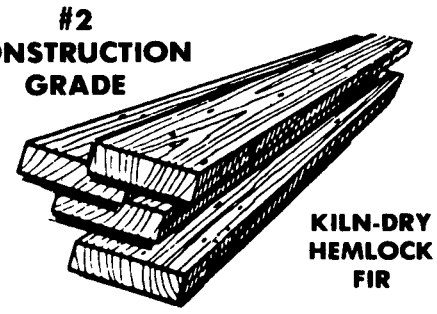

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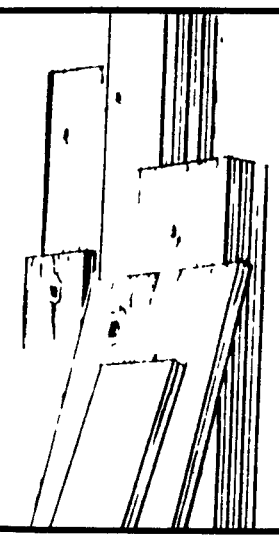

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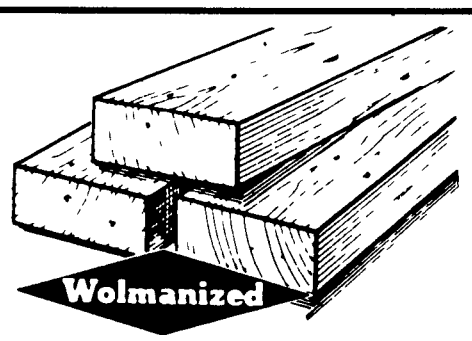

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2x6	3.05	4.64	4.81	7.28	7.36
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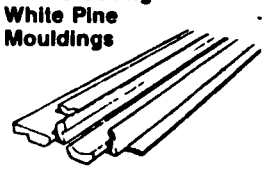

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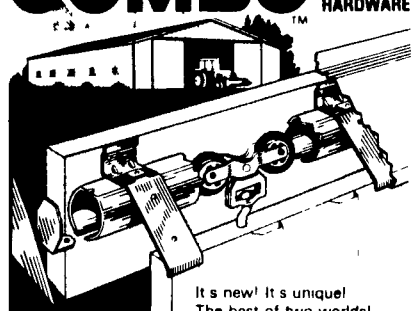

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Census Bureau to test form for 1987 Ag Census

WASHINGTON – Striving for the clearest and least burdensome form for use in the 1987 Census of Agriculture, the U.S. Census Bureau will conduct a nationwide test, the Commerce Department reports.

The test will begin in January 1986 and conclude in March. The test results are expected to help the bureau determine if farmers have the information available to answer new questions on the census forms, and how to improve data collection, question wording, and instructions. The test also will help in evaluating a booklet-style form as an alternative to the form used in the last census and in determining the most effective types of mail techniques in encouraging response.

As part of the test, the bureau will visit a sample of farmers in eight states in March to obtain comments on the proposed questionnaires. The states are California, Pennsylvania, North Carolina, Illinois, South Dakota, Texas, Florida, and Washington.

Selection of inquiries included on the census test form began more than a year ago. The Agriculture Census Advisory Committee is one of the bureau's most important sources of guidance in determining the content of the agriculture census form. The Committee is made up of organizations and groups representing farmers; agribusiness organizations; and federal, state and local interests.

The 1987 Census of Agriculture will include more than 2 million farm and ranch operators. Conducted at five-year intervals, the census is the primary source of state and county data on farm numbers, acreage, crop and livestock production, sales, and expenses. Data from the census of agriculture are widely used by federal, state, and local government agencies, farm organizations, marketing associations and cooperatives, agriculture experiment stations, land-grand colleges, and the businesses on which farmers depend for services.

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Dairy Marketing

PDPP matches $35,000 for local promotions

HARRISBURG — A 125-foot cheese sandwich in Lancaster County to a milk carton sculpture contest in Blair County are among the local promotion projects which have been approved by the Pennsylvania Dairy Promotion Advisory Board.

Board Chairman Donald B. Duncan announced this week that 41 local committees will receive $34,254 in matching funds for the first six months of 1986. Another $35,000 has been budgeted for local promotions in the July-December period.

A Berks County dairyman from Robesonia, Duncan heads a 20-member board of dairy farmers who oversee the $2 million statewide dairy promotion program financed by over more than 4,000 dairymen. No tax money is involved.

"You just can't buy the enthusiasm and ingenuity of these volunteers," Duncan said. "All we do is provide some of the local promotion and advertising dollars."

The bulk of state funds, some $1.8 million, is used to advertise milk and dairy products in major Pennsylvania markets.

Local allocations ranged from $3,107 for the Huntingdon County Dairy Promotion Program to $100 for the Sullivan County Dairy Festival Committee. The average for the 41 committees was $835.

Local milk promoters agree to some stiff guidelines before getting funds from the state promotion board. They must pay 25% of all local radio advertising, and the ads themselves must be the professionally produced "Make It Milk" ads provided by the dairy promotion program. No brand names can be used or endorsed.

Capital investments such as milk shake machines may be submitted providing the local committee picks up 75 percent of the tab.

Dollar limits are also set at $600 per station for radio advertising and $1,000 for each capital project.

The state dairy promotion board has some basic advice for local groups as well: "Use Pennsylvania-produced milk and dairy products in all promotions."

Here are the local milk promotion committees, their projects and total money funded by the Pennsylvania Dairy Promotion Program:

Adams Co. Dairy Promotion Committee — radio advertising, June Dairy Month coloring contest, Little League promotion, Real Seal collection contest, purchase of "Milk Makers" book for schools and libraries, $850.

Beaver-Lawrence Dairy Princess Committee — fairs, school promotions, parades. $250.

Berks Co. Dairy Farmers Association — radio advertising, radio dairy trivia. $1910.

Blair Co.. Dairy Promotion — Mystery shopper, T-shirts, Mall promotions, milk carton sculpture contest, dairy placemats, cow costumes, radio advertising. $1275.

Bradford Co. Milk Promotion Board — radio advertising, placemats, balloons. $2300.

Butler Co. Dairy Princess Committee — radio advertising, mall promotions. $635.50.

Canton Roadrunner Club — exhibits and ice cream social at 10K Race. $550.

Central Region Young Dairymen — School and mall promotions, floats. $960.

Centre Co. Dairy Promotion Committee — mall promotion, supermarket promotion, radio trivia, cow costume, elementary school promotions, placemats. $1162.50.

Crawford Co. Dairy Princess Committee — mall promotion, Farm-City Day, supermarket promotions. $179.98.

Crawford Co. Dairy Advertising and Promotion Committee — dairy recipe contest, placemats, Guess-the-cheese contest at Farm-City Day, restaurant promotions. $650.

Cumberland Co. Dairy Princess Committee — radio advertising, supermarket and mall promotions, elementary school promotions. $950.

Dauphin Co. Dairy Princess Committee — school promotions, real seal contest in schools. $400.

Eastern Milk Producers — radio advertising. $421.87.

Erie Co. Farmer's Assoc. — Soft-serve ice cream machine for concession trailer. $855.

Franklin Co. Dairy Promotion — Promotion at Armed Forces Day at Letterkenny Army Depot, radio advertising, school promotion, bank and mall promotions, non-farm promotion. $895.

Huntingdon Co. Dairy Promotion Committee — Mall, fair, school, supermarket and restaurant promotions, radio advertising, radio trivia, newspaper and billboard advertising, cow costume, mobile sales trailer, social/fun night, Farm-City Week. $3107.

Indiana Co. Dairy Promotion — radio advertising, mall promotion. $454.

Jefferson Co. Dairy Promotion Committee — Dairy Ambassadors, June Dairy Month promotion. $550.

Juniata Co. Dairy Promotion Committee — 8K run promotion, radio quiz and advertising, countywide poster contest, placemats. $1700.

Lancaster Co. Dairy Promotion Committee — Recipe contest, supermarket, school and mall promotions, cow coloring contest, 125 foot cheese sandwich, sculptured milk carton contest. $1258.45.

Ligonier Valley School District — Nutrition education programs. $185.90.

Lycoming Co. Dairy Association — School visits. Mall and supermarket promotions. $400.

McKean Co. Dairy Promotion — School, mall and supermarket promotions, McKean Co. Fair. $418.

Mercer Co. Dairy Promotion Committee — radio advertising, supermarket, school and mall promotions, cow coloring contest at McDonald's. $24.00.

Mifflin Co. Dairy Promotion — radio advertising, Athlete of the Week Award, placemats and restaurant promotion, Kid Connection $2486

Montgomery Co. Dairy Princess Committee — radio advertising, mystery tipper, radio trivia contest. $475.

Pa. Holstein Assoc. — mall promotion. $250.

Penn State Dairy Science Club — On-campus advertising, mall promotion. $370.

Penn Valley FFA Chapter — milk dispensing machine for cafeteria, $350.

Perry Co. Milk Promotion Committee — mobile milkshake stand. $1000.

Schuylkill Co. Dairy Association — Fair and supermarket promotions, radio advertising, mobile sales unit. $807.

Somerset Co. Dairy Promotion Committee — Radio advertising, placemats, mall promotion. $950.

Southwest Dairy Promotion — farm tour for students, Brownie troop and elementary school promotions. $395.

Sullivan Co. Dairy Festival Committee — Placemats. $100.

SUN Area Dairy Princess Committee — Mall promotions, school visits. $350.

Tioga Co. Dairy Promotion — School and grocery store promotions, float, radio advertising, radio trivia. $815.

Washington-Greene Co. Dairy Promotion — Real Seals promotion at McDonald's, school promotions. $300.

Wyoming-Lackawanna Co. Dairy Princess Committee — Store, mall and school promotions. $275.

York Co. Dairy Princess Committee — newspaper advertising. $350.

York Co. Holstein Club — radio advertising. $400.

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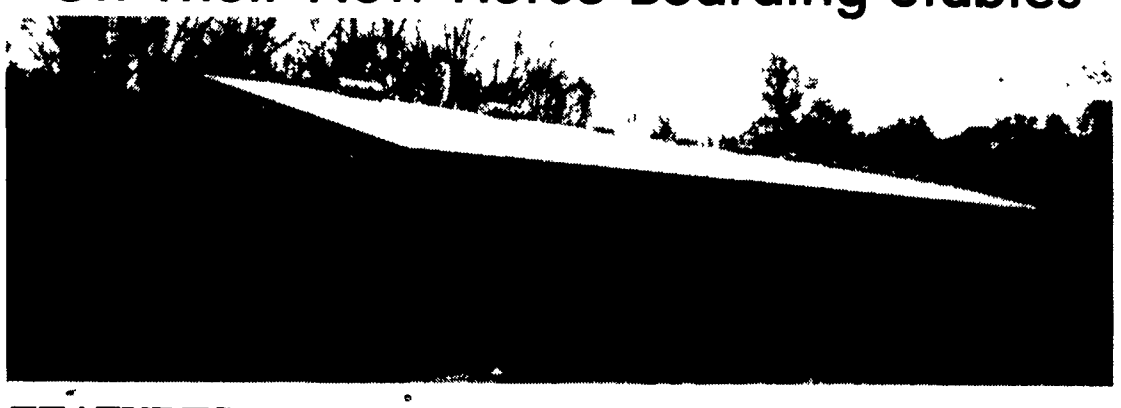

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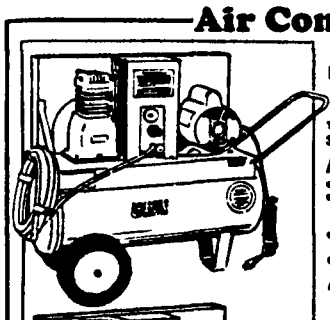

199.99
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¾ Horsepower Air Compressor
- 10 gallon tank
- 4.0 CFM displ. 3.1 CFM at 40 psi 2.5 cfm at 90 psi
- Dial O Matic enables you to dial the desired pressure
- No additional regulator needed

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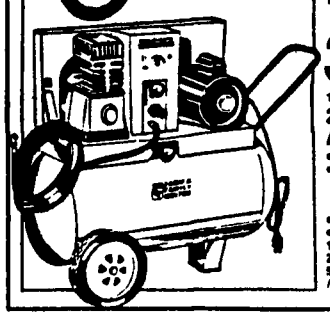

379.99
17984-106
2 Horsepower Air Compressor
- 2 hp electric motor
- Twin compressor with 9.5 cfm displ. 7.1 cfm at 40 psi 5.9 cfm at 90 psi
- 22 gallon tank
- As portable as the ½ hp unit

15 Air Hose 17791 106 **NOW 7.99**
25 Air Hose 18400 106 **NOW 10.99**
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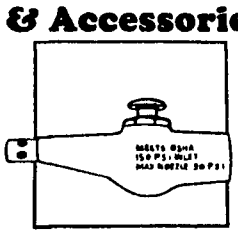

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Reg. 4.59 / SAVE 19%
16281 077
Button Blow Gun
- Meets OSHA 150 psi inlet
- Max. nozzle pressure 30 psi
- ¼ NPT inlet

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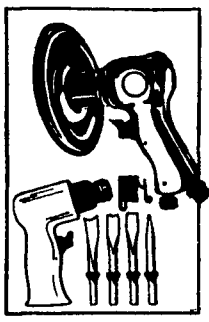

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Features a teasing trigger throttle for speed ranges from 4,000 18,000 RPM. Includes 3 sanding pads

Air Chisel Kit
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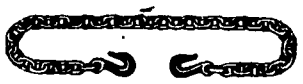
Delivers 5,000 ipm



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5/16" x 14' 10608 072 Reg. 18.99	14.99
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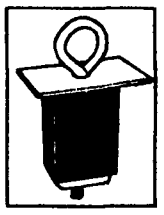
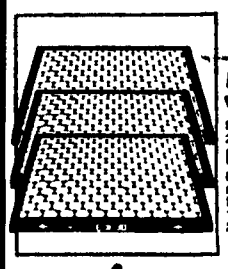


2.49
Reg. 2.99 / SAVE 16%
23011 047
Pickup Tie-Downs



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Furnace Filters
Replace furnace filters every month and cut down on heating costs. Sizes. 10" x 20" x 1" 16" x 20" x 1" 16" x 25" x 1" 20" x 20" x 1 20" x 25" x 1" **LIMIT 24**

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10 Lbs. Nifty Cat®
- Absorbent cat litter
- Helps control offensive odors
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25 lb Nifty Cat™ Litter
27877 349 **NOW 1.69**

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27804 285
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- 30% protein cat food
- Appetizing shrimp flavor
- Provides all the nutrient requirements for growth

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5 Gal. Gas Can
Rugged steel can with flexible spout 11½" diameter x 16" *Not available in Massachusetts*

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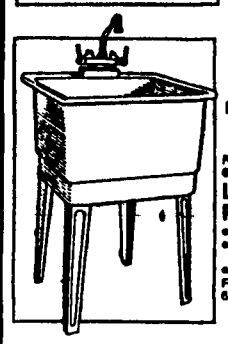

17.99
Reg. 24.99 / SAVE 7.00
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Laundry/Utility Poly Pro Tub
- Will not chip scratch or rust
- Not affected by detergents, bleach or chemicals
- Faucet not included

Faucet for Laundry/Utility Tub
64844 330 **NOW 13.99**

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- 25 lb bag of 21% protein chunk style dog food is a complete food supplying all the nutrients necessary to keep your dog in healthy alert condition

50 lb Bag 27881 285 **SALE 7.69**

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Men's Lee Prewashed Jeans
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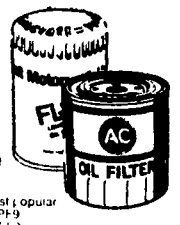

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Spin on type filters for most popular domestic cars AC® PF2 PF9 PF20 PF24 PF25 PF34 PF35 PF45 PF47 PF51 50

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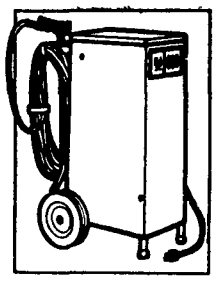

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High Pressure Washer
- 500 600 psi
- Built in tank
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- 5 way valve
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- Requires 15 amps power at 115 volts

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Hydraulic Cylinders
Up to 2500 psi

3"x 16" 6503 017	59.99	3½"x 16" 6587 017	64.99
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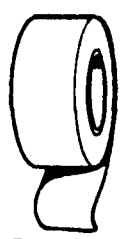

2.99
Reg. 3.89 / SAVE 18%
23621 193
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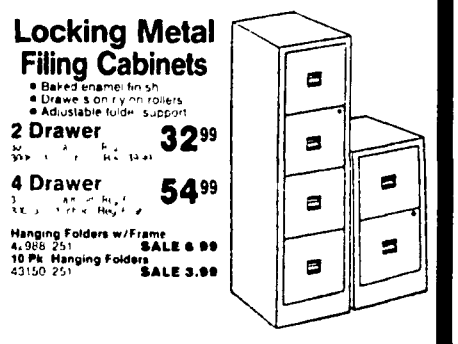
- Pressure sensitive aluminum colored cloth
- 2" x 60 yards



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- Baked enamel finish
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Hanging Folders w/Frame
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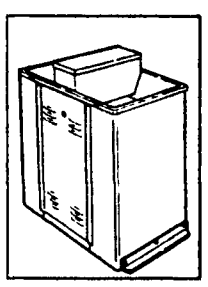
43150 251 **SALE 3.99**



174.99
22101 176
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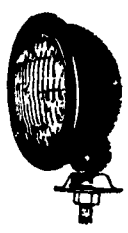
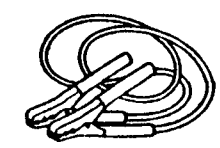
- Preset thermostat and electric heating element
- Float box & jacket are fully insulated
- Steel drinker and lid with drain plug
- Water trough is steel
- Serves 80 cattle



7.99
5" Sealed Beam Tractor Lights
Lamp body is fashioned from heavy gauge steel. Complete with GE 4½" sealed beam

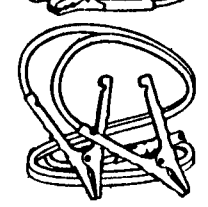
6 volt 901 005
12 volt 902 005



BOOSTER CABLES
8 cable is 10 ga. copper 12 cable is tangle free 8 ga. copper Clamps are 150 amp copper plated steel

8 Ft. 9581 055 Reg. 4.39 **3.49**
12 Ft. 9580 055 Reg. 9.99 **7.49**

27.99
22157 178
36" Transistorized Stock Prod
- No moving parts
- Sturdy lightweight fiberglass rod
- Uses 6 batteries (included)



HEAVY DUTY CABLES
Tangle free copper cables 12 cable is 6 ga. 10 is 4 ga. Clamps are 400 amp vinyl coated steel

12 Ft. HD 8610 055 Reg. 15.49 **12.99**
16 Ft. HD 9099 055 Reg. 22.99 **19.99**
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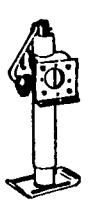
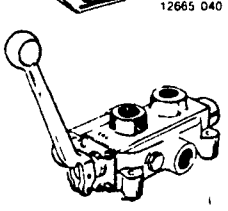
LubriMatic
4.29
9854 069
Grease Gun
- Uses cartridge or bulk grease
- All steel
- 2 way plunge

NITE-HAWK
29.99
28200 311
Mercury Vapor Security Light
- Photo control
- 16,000 hour bulb life
- Complete with hardware

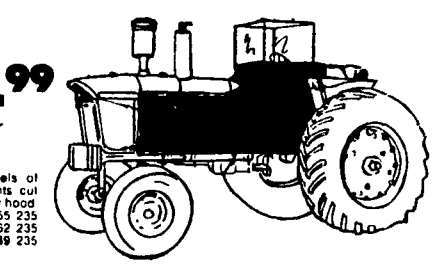


16.99
12656 040
Swivel Jack
- Assembly may be turned 90 horizontal or vertical
- Locking handle holds device in any position

Tubular Connection Swivel Jack
12665 040 **SALE 24.99**



49.99
4526 008
2 Way Hydraulic Converta Valve
Built in relief valves easy mounting factory set at 1500 psi



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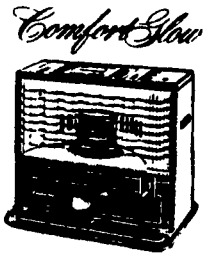
Universal Heater Cab
Will fit most popular models of tractors. Extra side adjustments cut tapered to fit contour of tractor hood

Side entry	11155 235
Rear entry	11162 235
Small models	11189 235



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FREE Bookstrap With purchase of Kerosene Heater 24715 260. While Supplies Last!

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24715 260
9300 BTU Radiant Kerosene Heater
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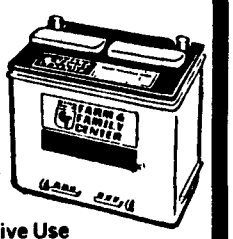
5 Gal. Kerosene Can
22009 173 **NOW 6.97**



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Group 22F
3 year guarantee

Automotive Use

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4 Yr.	12	400	22F	30.99
5 Yr.	12	440	22F	35.99
3 Yr.	12	350	24/24F	29.99
4 Yr.	12	400	24/24F	35.99
5 Yr.	12	500	24/24F	41.99
3 Yr.	12	350	74	32.99
5 Yr.	12	500	74	42.99
2 Yr.	6	480	1	33.99
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2 Yr.	12	715	4DLT	92.99

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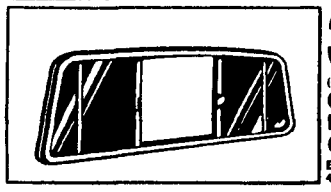
Famous Brand High Detergent Motor Oil



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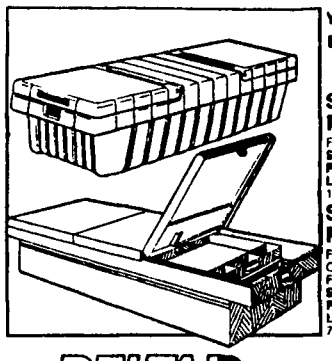
Clear Glass Pass-Thru Rear Cab Window
EZ Slider w/Tinted Glass
472 Series 44.99



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Steel or Poly Pickup Tool Box
Fits most standard pickups

Steel Tool Box	22185 269	
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L Shaped Fuel Tank	189.99	
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Fits Datsun, Luv Toyota Scout, Courier GMC S15 Chevy S10 & Ford Ranger pickups

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Polyethelene Tool Box	43227 472	
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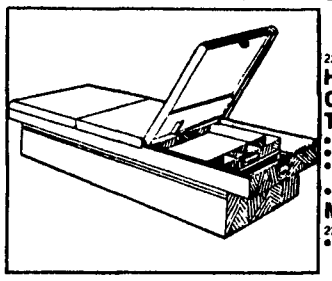

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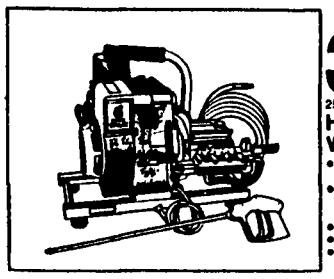
22301 269
Heavy Duty COMMANDER™ Tool Box
- Heavy duty steel
- Sturdy rolled edges
- HD automatic torsion bar lid opener
- Self sealing lid

Mini Pickup Box
22357 269
- Fits Datsun Luv Toyota Scout, Courier GMC S15 Chevy S10 & Ford Ranger pickups



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- Excellent general purpose lightweight power washer
- 3.0 hp Briggs engine features 4 cycle air cooled magnetron ignition & recoil starter
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- 1000 P S I
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American farmers still competitive on world market

WASHINGTON — Amid all the reports of falling U.S. agricultural exports and declines in our market shares, trade analysts of USDA's Economic Research Service offer a bit of reassurance.

It is not the kind of news that promises immediate gratification because it speaks mostly about the potential, rather than the present ability of American farmers to compete. The economists argue that although several factors are hampering farmers in current competition for world markets, the underlying advantage of U.S. agriculture appears to remain intact.

"The United States has not become a high-cost or inefficient producer," they insist. "And thanks to major agricultural productivity gains since the early 1970's, we have not lost our fundamental comparative advantage." This advantage exists because of abundant natural resources, highly skilled farmers, advanced American technology, relatively efficient markets, and a well-developed infrastructure of support industries for agriculture.

A few definitions are needed to closely follow their analysis, which appeared in a recent issue of the Agriculture Department's **FARMLINE** magazine:

Absolute advantage is a statement about production efficiency–about who can produce a commodity at the lowest cost. Several nations, for instance, have a cost advantage over the United States in the production of sugar.

Comparative advantage, a more complicated concept, is a measure of relative efficiencies among different production sectors here and abroad. If one country can produce oil with fewer resources than it can produce cars and another country produces cars less expensively than oil, economic theory suggests that each country should specialize in the good it can produce the cheapest rather than trying to be self-sufficient in both oil and cars.

This is true, analysts say, even if one country has the ability to produce either good more cheaply than the other country. When countries concentrate their productive resources in areas of comparative advantage, overall output of all products should be greater and prices will be lower.

No Guarantee of Competitiveness

Competitiveness, however, is an altogether different story from absolute or comparative advantage, and the distinctions are important. Competitiveness, the economists explain, is a fluid condition that relates mainly to price. Even a high-cost producer can quickly become more competitive in trade by subsidizing the price of its exports.

Similarly, the competitiveness of a low-cost, highly productive nation may deteriorate rapidly because of unfavorable fluctuations in currency exchange rates, because it supports its prices above market levels, or because of the aggressive trade policies of a high-cost competitor.

There is no doubt, the analysts say, that U.S. competitiveness in agricultural markets has been hurt, at least temporarily. The reasons include the global recession of recent years, large debts in less developed countries, the appreciation of the U.S. dollar, and farm policies here and abroad.

The encouraging news is that damage to the competitive position of the United States can probably be reversed. A sustained decline in exchange rates, a stronger recovery in the world economy, or adjustments in U.S. farm and trade policies could all help put U.S. exports back on a growth track.

The loss of an absolute or comparative advantage in agriculture could have much deeper, longer term implications. At its worst, it might suggest that the United States would have to gradually relinquish its status as the largest exporter of farm products, retreat from world markets, and invest those resources elsewhere.

That is not what anyone expects.

"When the production of watches, cameras, and stereos moved to lower cost overseas locations, resources in those industries shifted elsewhere, into computers, software, and so on," says USDA economist Alan Webb. "Agriculture's chief resource, land, is not nearly as flexible."

Much of our farmland, he points out, currently has few alternative uses. "We might see some land taken out of crops, but, basically, the price of land should eventually adjust to ensure U.S. competitiveness in agriculture. We are so richly endowed with farmland

(Turn to Page A39)

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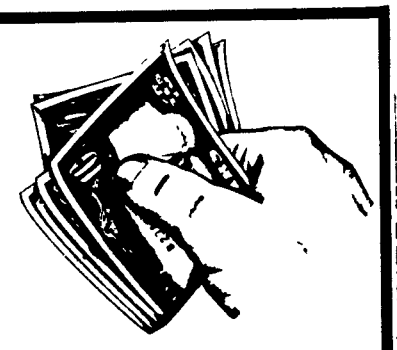

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With the use of **analytical and computer** technology, we will pay you (based on the cheese and cream market) what a hundred pounds of your milk will yield in cheese and cream.
Farmer's Cheese Co-Op will be paying its farmers on a bi-monthly basis, plus offering a group hospital insurance.

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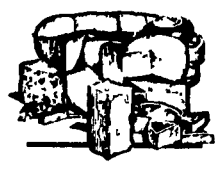

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Ask For Ron or Jack

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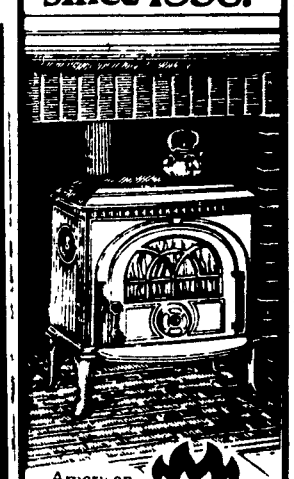

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Cost of American ag products in line with competition

(Continued from Page A38)

that I cannot see how we could lose our advantage in agriculture as long as our policies allow the price of this resource to adjust. The adjustment is now taking place, and it's the source of much of the financial distress in the farm sector."

Case for the U.S. Advantage

One way to measure absolute advantage is to compare production costs among nations, according to the economists. They point out that this is a difficult undertaking. Even within the United States, costs of production for individual commodities range widely from region to region and farmer to farmer. In addition, there are measurement problems and conceptual issues of how to figure costs. These difficulties are multiplied enormously when trying to obtain comparable information for other nations.

Despite the problems, Economic Research Service economists were able to develop some data to compare average U.S. costs of production with those of other major exporters for 1980-82. They used variable costs, which do not include depreciation, labor, and land costs.

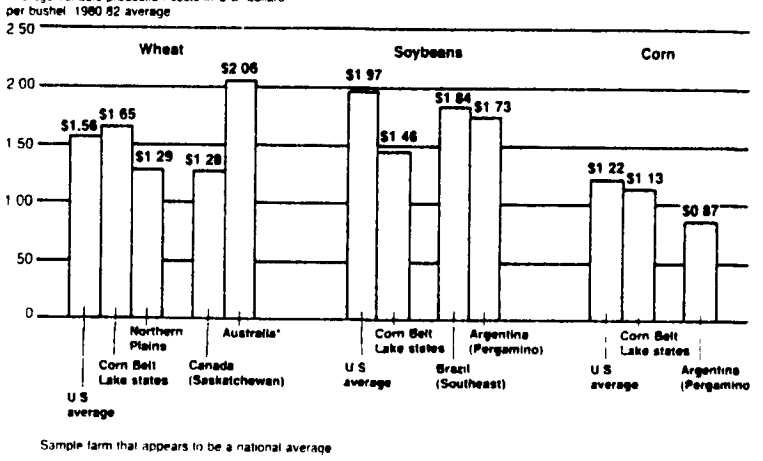
They found, for instance, that the U.S. Northern Plains and Saskatchewan, Canada, had virtually identical average variable production costs for wheat. Average 1980-82 costs were $1.29 per bushel in the U.S. Northern Plains and $1.28 (U.S. dollars) in Saskatchewan. Data for Australia show a national average variable wheat cost of $2.06 for 1980-82, considerably above the U.S. national average of $1.56.

"Thus," they conclude, "neither of our major wheat competitors appears to have a significant cost of production advantage."

Soybean cost comparisons yielded similar results. In the Corn Belt and Great Lakes states, average variable costs for soybeans were $1.46 per bushel in 1980-82, well below the estimated $1.84 cost for southeastern Brazil and the $1.73 cost calculated for Pergamino, Argentina's major corn and soybean growing region.

For corn, the Pergamino region had an average variable cost which averaged 87 cents per bushel over the 1980-82 period. The average for the Corn Belt-Lake states was higher, at $1.13 per bushel, but the difference between the U.S. cost and the Argentine cost had dropped to just 8 cents by 1982.

U.S. Costs of Production Compare Favorably with Costs of Our Major Competitors



Sample farm that appears to be a national average

Little is known about changes in costs abroad since 1982, except that the subsequent rise in the foreign exchange value of the dollar has probably increased U.S. costs relative to those of our major competitors. A stronger dollar has that effect even without any change in actual production costs within the United States.

Case for a Comparative Advantage

The cost of production comparisons argue that the United States has retained its status as a low-cost producer of grains and oilseeds--certainly in its primary growing regions. Comparative advantage, rather than absolute advantage, however, may be more important in determining actual production and trade relationships.

During the 1970-82 period, it appears that U.S. agriculture widened its comparative advantage compared with other sectors of the American economy and with the rest of the world, say the economists. The productivity of inputs employed in agriculture grew faster here than abroad, while the productivity of inputs employed in other areas of the U.S. economy grew more slowly.

They cite several examples. Average productivity of U.S. farmland, for example, increased 39 percent, versus 27 percent overall in the rest of the world. The average productivity of U.S. agricultural labor rose 97 percent, compared with a 22-percent increase in other countries. The average product per unit of machinery increased here but fell in the rest of the world.

These productivity gains in agriculture outpaced those in other sectors of the U.S. economy. Compared with the 97-percent gain in agricultural labor productivity, the productivity of nonagricultural U.S. labor rose only about 15 percent. Nonagricultural labor productivity growth in Japan, Europe, and Australia was well above the U.S. rate.

In other words, say the economists, the evidence suggests that U.S. agriculture's comparative advantage over other sectors of the economy increased relative to the rest of the world during that period.

None of this, of course, changes the fact that U.S. agricultural exports are severely depressed. Export earnings have tumbled from a record $43.8 billion in fiscal 1981 to an estimated $32.0 billion in fiscal 1985. Volume has dropped more than 30 million metric tons since 1981.

But these findings may help answer another question: Has the time come for the United States to throw in the towel and admit that it no longer has an agricultural sector capable of competing in the world arena?

Not at all, say the economists.

"The adjustments presently occurring U.S. agriculture--lower incomes, slumping land values, and losses in export market shares--are not the result of the inability of the United States to compete on a cost basis with other nations. Rather, the adjustments reflect a decline in the prices and volumes of agricultural commodity exports stemming from the appreciation of the dollar, U.S. and foreign policies, the global slowdown, and debt problems in many major importing countries."

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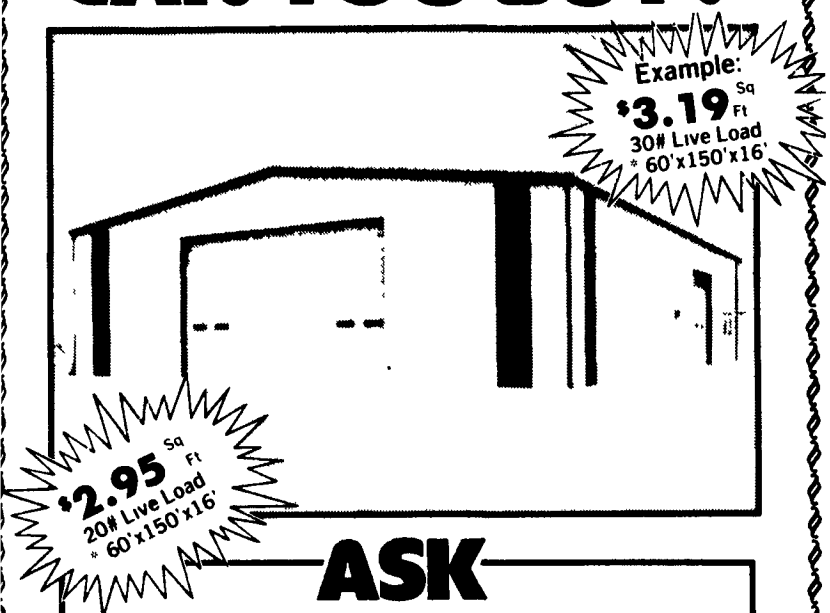

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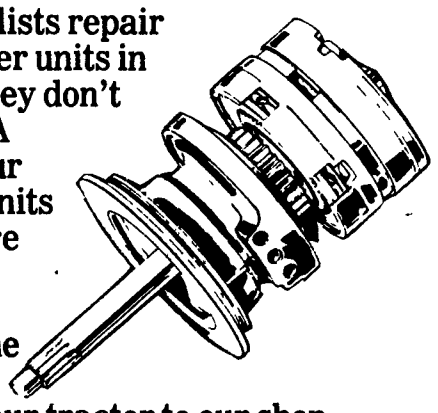

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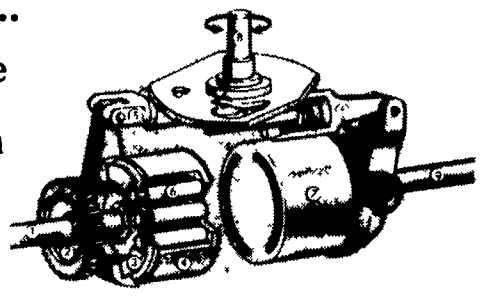

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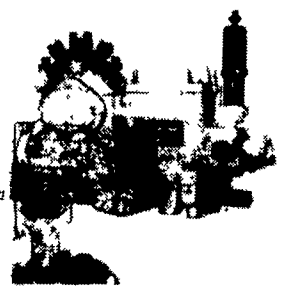

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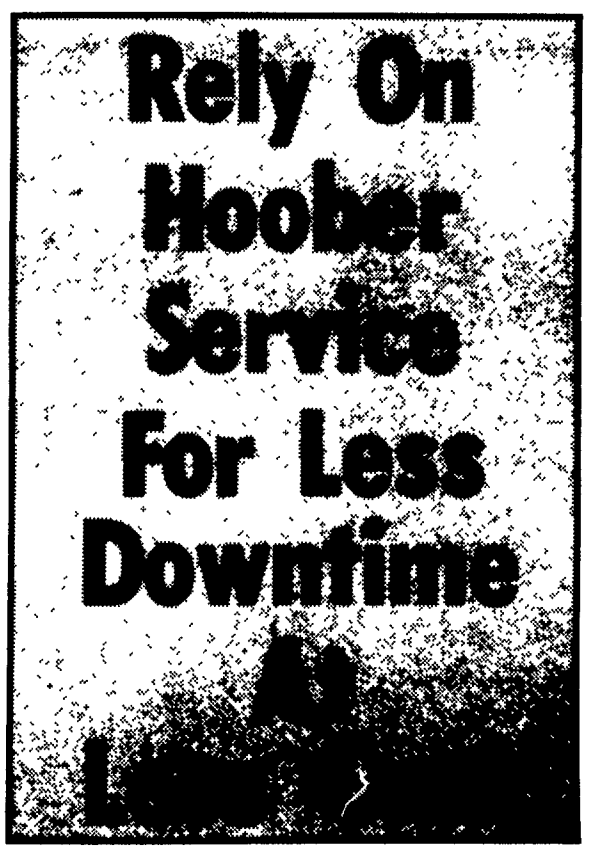

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Ancient legends come alive at Gnome Countryside

BY SALLY BAIR
Staff Correspondent

KIRKWOOD — "Although I've never seen a gnome, I've had a lot of fun looking for them." These are the words of Richard Humphreys as he sits in the kitchen of his home in Kirkwood, discussing the Gnome Countryside.

Tucked deep in the countryside on a stream which feeds into the Octorara Creek, along a picturesque ravine, the Gnome Countryside is not just a place, but also a state of mind. It is, in fact, also the way Humphreys happens to make his living.

The area on Bridle Path Road where Humphreys lives with his wife, MaryLou, and their three children couldn't be better matched for the gnome fantasy which Humphreys espouses. He explains that gnomes live underground and in trees, and in this wonderful wooded place, interspersed with open areas, gnomes certainly could feel at home.

Humphreys opened Gnome Countryside five years ago, and his "business" of conducting tours of this rich outdoor arena has grown to reach 6,000 people annually, which is "as many as I can handle," he says forthrightly.

It is difficult to describe exactly what it is that Humphreys does as he invites people to walk with him through this treasure trove of outdoor experiences. He talks about the gnomes and their ways, of course, but what he really does is expose his visitors, young and old alike, to the wonderfully creative concept of enjoying the outdoors.

As a former teacher who has done some acting and enjoys storytelling, Humphreys is a natural for this role as spinner of legends about gnomes. Indeed, he relishes what he is doing so much that he says his goal is to still be walking around with visitors when he is 100.

In fact, he envisions himself with a white beard, helping promote the fantasy. "I'll shrink a little, and the older I get the better I'll get. I'll do it as long as I'll be able to keep going."

What would make a man with a "normal" job like teaching turn to the countryside for his livelihood? Humphreys is candid. He admits that some friends and relatives thought he was crazy when he began. But he had a more serious consideration.

"A prime motivating factor is that I had been a diabetic for 25 years. Hardly anyone escapes major complications (from the disease) after that long." Humphreys was fearful of losing his sight, and he had to keep blood sugars regulated, which made it difficult to keep teaching.

"I wanted some other vocation. I knew I could do something. I had taught elementary art and directed a camp for diabetic children. I thought about a nature trail," he explains.

In his art lessons he often used elves, and understood their magical qualities. He added, "Children like the out-of-doors. It was a wonderful combination with a lot of appeal for children."

Another factor was an extended visit he and his wife, MaryLou, had had to Scandinavia and an intriguing two-week visit to a Danish pig farm over the Christmas holidays. "Those people had a sincere belief in the good luck that gnomes bring. We had kind and enjoyable thoughts of that."

That experience, coupled with the publishing of the book on gnomes by Poortvliet/Huygen, helped create the dream from which Gnome Countryside was born. Their home, deep in the woods, offered the perfect setting.

Humphreys took half a year off from teaching to test the idea, and with a few articles in the local newspapers his new career was underway. Ironically his sight has now been restored to 20/30, something he attributes to the "modern miracle of laser surgery. Ten years ago I would have been blind." He still keeps close watch on his blood sugar levels and administers insulin four times daily; but the miracle of sight is precious to him.

Of course his interest in gnomes and his information has grown as his experience expands. He has learned, for instance, that psychologists now believe that parents who leave no room for fantasy in their children's minds may cause those children to develop psychological problems.

He continues to read a lot, and for gnome enthusiasts he now publishes a quarterly newsletter. He said he has found "an underground current of gnome fanciers."

He has acquired many carvings and pictures of gnomes over the years, some of which are used in the "gnomery" where guests are greeted upon arrival. The living areas of their home are filled with gnomes as well, many given to him by people interested in his countryside. One hand carved gnome is the "gnome ranger," who rides a great horned owl. Another prize is a "metrognome" which ticks out the time for playing music.

While the Countryside started mostly for families in the fall, the concept quickly became popular and Humphreys expanded it to begin in April. About three years ago he began offering Christmas candlelight tours, which have been very successful.

As Humphreys talks with his guests, he uses every opportunity to work in appropriate value lessons. One example is when a group of children reaches a toll bridge, found just beneath an arched bridge over the small stream. Humphreys invites them to cross the stream on either bridge, but urges them to take the way they want to take, not what their friends might choose. He then carries over this idea of choice, encouraging them to think for themselves at home, on the playground and in school.

At one point, he has visitors stop and close their eyes and listen to the sounds of the stream and forest. At another stop on the walk children are invited to climb ropes, but again, only as they feel comfortable.

His entire walk ties in with nature, at whatever season of the year it is. Each season offers special interest. Since gnomes are

(Turn to Page B4)

Richard Humphreys stands on the bridge across a small stream on his property. Underneath can be seen a troll bridge, where here he invites young people to choose which way they will cross. Humphreys urges them to follow their own choice, and not that of friends. His home can be seen in the background.

This could be a gnome house, lovingly carved from paulownia wood, and intricately designed with features which would be appealing to gnomes. This gnome appears right at home as he peers out the front of the small home.

This intricately carved wooden home could be a place for gnomes to live. In the background is the wooded area which comprises much of the visit to Gnome Countryside.

Gnomes are happy creatures, known in legends of countries throughout the world and over the centuries. This carved approximation of a gnome happily lives with the Humphreys.

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Gnome Countryside

(Continued from Page B2)

only the size of the end of your thumb, Humphreys will find a milkweed pod and point out what a nice bed it would make for a gnome. Gnomes also use pressed queen Anne's lace for curtains, and fireflies provide light for them at night, according to Humphreys.

He points out that gnomes wear special shoes, with birdfoot prints on the bottom. And gnomes are pidgeon toed for fast running over sticks and leaves. Sometimes footprints of these unusual shoes can be found in the woods.

There is an interesting Christmas fern growing there, whose tiny leaves resemble stockings. Gnome parents take two of these and stitch them together for a Christmas stocking for their gnome children, Humphreys will tell his visitors.

Bees' nests make excellent mailboxes for gnomes, and there is a rolled up paper in one of the holes of the nest Humphreys shows.

He talks about the "wonderful trees" that abound on his small acreage, and explains that gnomes have the same respect for trees that native Indians had.

Humphreys makes it clear that he hopes a visit to Gnome Countryside will encourage families to do things together out of doors, and learn to enjoy the outdoors together. Humphreys says, "Parents are often afraid of what they'll find in the woods." He adds, "We've done a fair amount of winter backpacking, and you can have a lot of fun if you're dressed for it."

Gnome Countryside is definitely a family undertaking, with Humphreys' four-year-old son Luke frequently accompanying his father. Luke wears a gnome hat and knickers and enjoys the fun of the activity.

When Humphreys' wife was pregnant with their second child, they learned it would be twins. Since gnomes are always born as boy and girl twins, it was Humphreys' greatest wish that their twins would be one of each. Sure enough, when the twins were born there was a boy, Kesse, and a girl, Kourtney. They will be two in this month.

There is a gnome at the Humphreys household who plays jokes which won't hurt people's feelings. "Jerome Gnome" often leaves notes for Luke when he does something commendable, and he even helped establish a family Christmas tradition.

Humphreys recalls that as a child it was always disappointing to open the last gift on Christmas morning, and so his father would lessen the sadness by putting a present somewhere else. Now Jerome Gnome leaves a note which leads to a treasure hunt in the woods for the last present. This year, Jerome left a birdfeeder.

For every visitor at Christmas time there was a tin Gnome on the outdoor Christmas tree, and each visitor was invited to take one home. Humphreys hopes they will remind the visitors of their trip, and, as he tells visitors, "To gnome me is to love me." Visitors also receive a wooden gnome gnickel.

The Gnome Countryside will become quiet for a few winter months as Humphreys takes stock and prepares for the busy spring, when busloads of school children will find their way to rural Kirkwood for an unusual educational experience in the out of doors. He won't be idle, however, because he is already booked for several gnome presentations to interested groups.

For Humphreys, operating this business based on legends that are centuries old brings complete satisfaction. He points out simply, "I like playing the guitar. I like children, the out of doors, and telling stories. I used everything I really enjoy in life to create a livelihood. I am really fortunate."

And fortunate he is—as are all the visitors who look for gnomes along with him at the Gnome Countryside.

The Gnome Ranger, this one carved in wood, rides around the area of the Gnome Countryside on a great horned owl.

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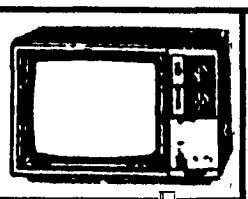

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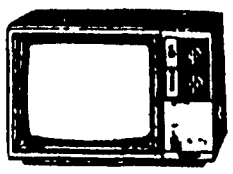

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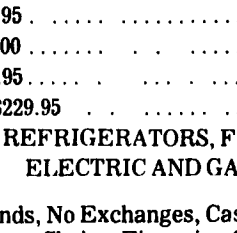

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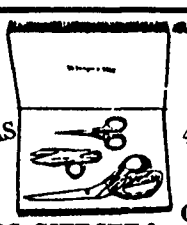

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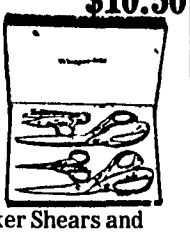

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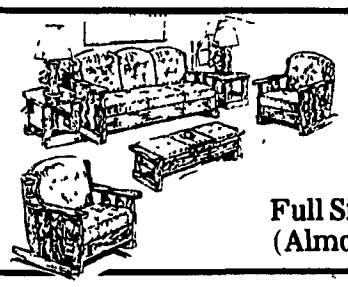

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Have You Heard?

By Doris Thomas
Lancaster Extension Home Economist

First Aid for Holiday Party Spots and Stains

Even the most sedate party can result in a few spots on the upholstery and stains on the rugs. And Christmas isn't noted for sedateness.

Be prepared. Know how to cope with some of the more common holiday time accidents.

If alcohol, beer or mixed drinks end up somewhere other than in the glass, blot up the excess with clean absorbent cloth or paper toweling. Sponge lightly with cool water; blot well. Apply upholstery shampoo with a soft brush. Let the area dry thoroughly. Repeat if necessary.

For sauces, soft drinks, salad dressings or blood—blot up excess. Then blot with cold (never hot or soapy) water. Mix a weak solution of three teaspoons of ammonia to one quart cold water and blot the stained area again. Blot with cold water. If the stain remains, moisten it with white vinegar; blot thoroughly. You get the point; blot, don't rub.

Fruit, fruit juices and berry stains also call for blotting action. But first scrape off any excess with the dull side of a knife. Then blot with clean toweling to remove excess liquid. Blot with cool water. If the stain is still visible, blot with a cool detergent to which you've added a few drops white vinegar. Lightly sponge with clear water to remove any traces of vinegar.

Don't Reach for the Vitamins

If you have read any of the articles on diet and cancer prominent in the media lately, you may be tempted to invest heavily in vitamins. But the best way to combat any possible natural dietary carcinogens is to eat a variety of foods, especially green leafy and yellow vegetables.

About How to Store Chocolate

Chocolate is becoming more and more of a precious commodity as the price indicates. If you received chocolates for Christmas and want to portion out the goodies past the holiday season, here are some tips on how to store chocolate.

Chocolate can be stored successfully because the cocoa butter in chocolate is a stable fat and keeps for years at room temperature. It's the cocoa fat in chocolate that makes it melt in your mouth, unlocking the taste.

But this same cocoa fat can also cause chocolate to "bloom." When exposed to high temperatures, the cocoa butter will melt and rise to the surface. When the chocolate rehardens, a gray film on the surface remains. This is called "bloom." Chocolate with "bloom" is perfectly safe to eat, but it may not be as creamy as when it was bought fresh.

To get the full benefit from chocolate, follow these simple rules.

–Keep chocolate away from moisture.

–Do not refrigerate or freeze chocolate. When chocolate warms, or is defrosted, moisture may form on the surface and cause "bloom".

–Store chocolate between 60° to 70°F and about 50 percent humidity.

–In hot weather, keep chocolate in a cool place. When stored at over 80°F, milk chocolate will begin to soften; and at over 85°F, it will begin to melt.

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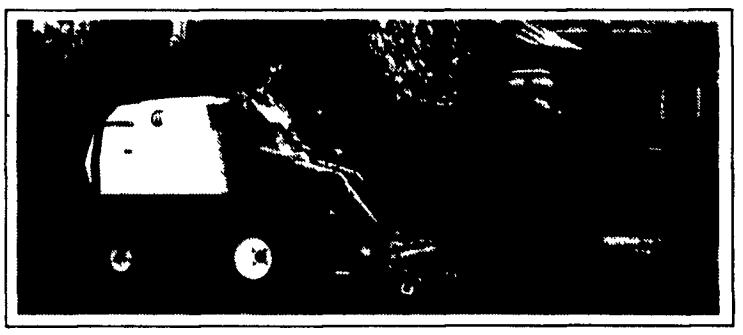

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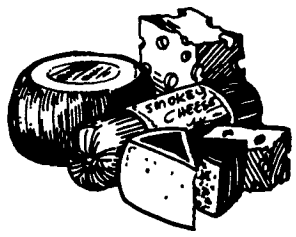
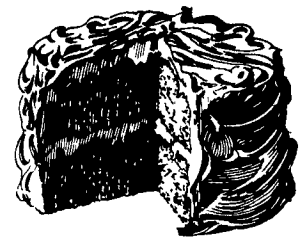


Home On The Range



Create sweet treats with peanut butter

Remember eating peanut butter and jelly sandwiches as a child? The creamy texture of the flavorful peanut butter coupled with sweet jelly made a perfect lunch.

Now that you're older, your pantry probably still contains a jar of peanut butter. And, while you may still enjoy peanut butter and jelly sandwiches, you have probably discovered that peanut butter works well in a host of other recipes.

Below are some tasty ways to include this favorite ingredient in cakes and other sweet treats.

SOUTHERN PEANUT BUTTER CAKE

2 cups sugar
2 cups all-purpose flour
1 teaspoon baking soda
1 cup buttermilk
1 cup peanut butter, crunchy
½ cup butter or margarine
½ cup peanut oil
5 egg yolks
1 teaspoon vanilla extract
1 3½-ounce can coconut
5 egg whites

Preheat oven to 350°F. Into large bowl, measure all ingredients except egg whites. With mixer at medium speed, beat until well mixed. Whip egg whites until stiff and fold into batter. Pour batter into three 9-inch greased cake pans and bake 25 minutes or until cake tester comes out clean. Cool layers in pans on wire racks 10 minutes; remove from pans and cool on racks.

Frosting:

1 8-ounce package cream cheese
½ cup butter
1 16-ounce box confectioners sugar
1 teaspoon vanilla extract
⅓ cup chopped roasted peanuts

Whip cream cheese and margarine until fluffy. Gradually add confectioners sugar and vanilla. Frost cake layers, garnishing top with peanuts.

PEANUT BUTTER CANDY

1 cup peanut butter
1 cup rice cereal
1 cup confectioner's sugar
½ cup peanuts or walnuts
1 tablespoon marshmallow creme
2 tablespoons molasses

Mix all ingredients together. Press into small balls. Dip into melted chocolate which has been melted in a double boiler. Drop on waxed paper until chocolate is hardened.

Mrs. Lewis Martin
Newville

PEANUT BUTTER FUDGE

2 cups sugar
1 cup milk
2 cups marshmallow creme
1 12-ounce jar crunchy peanut butter
1 teaspoon vanilla

Combine sugar and milk, bring to a boil. Stir 5 minutes over medium heat to soft boil (238°F.) Remove from heat, stir in marshmallow, peanut butter and vanilla. Beat until well blended. Pour into greased 9-inch square pan. Cut into squares.

PEANUT BUTTER CUPS

½ pound graham cracker crumbs
½ pound butter
1 cup peanut butter
1 pound powdered sugar
2 cups chocolate chips

Combine crumbs, butter, peanut butter and sugar. Work together until smooth. Press this mixture in a 9x9-inch pan or larger for thinner squares. Melt chocolate chips over hot water, spread over mixture in pan. Refrigerate until firm. Cut in squares.

Sarah B. King
Lancaster

OATMEAL PEANUT BUTTER COOKIES

¼ cup shortening
¾ cup brown sugar, packed
¼ cup water
2 eggs
1 cup peanut butter
1 teaspoon vanilla
1 cup grated carrot
1 cup flour
½ teaspoon baking soda
3 cups rolled oats, quick cooking

Preheat oven to 375°F. Cream shortening and sugar. Blend in water, eggs, peanut butter, vanilla and carrot. Sift flour, soda and salt together, and stir into other ingredients. Stir in oats until completely moistened. Roll dough into 1-inch diameter balls and place on greased baking sheet. Press balls flat with fork. Bake 10 to 12 minutes.

VERNON'S BREAKFAST BARS

2 teaspoons margarine
1½ cups carob bits
1½ tablespoons peanut butter
½ cup corn syrup
1 cup marshmallows

Melt all ingredients over low heat, stirring constantly. When melted, add 8 cups rice cereal, mixing until cereal is well coated. Pour into a buttered 9x13-inch cake pan. Press with buttered fingers to flatten evenly. Cool and cut into 1½-inch bars. Serve with hot chocolate or coffee.

Mrs. Vernon Martin
Hagerstown, Md.

TANDY CAKES

2 cups sugar
2 cups flour
½ teaspoon salt
1½ tablespoons margarine
1 cup milk
4 eggs
1 teaspoon vanilla
2 teaspoons baking powder

Blend all ingredients together in large mixing bowl. Pour into greased jelly roll pan or half sheet aluminum pan. Bake 20 minutes at 350°F.

As soon as they are removed from oven, drop 6 tablespoons peanut butter on top of hot cake, then spread thinly over top. Refrigerate ½ hour.

Melt 8 ounces milk chocolate slowly in double boiler. Then spread melted chocolate thinly over peanut butter and refrigerate until chocolate sets. Do not let chocolate get too cold or it will crack when cutting into squares.

Mrs. Belinda Myers
Dallastown

PEANUT BUTTER BROWNIES

6 eggs
3 cups brown sugar
1 cup white sugar
½ cup peanut butter
1 cup shortening
1 teaspoon vanilla
4 cups unsifted flour
1½ tablespoons baking powder
1½ teaspoons salt
½ cup chopped peanuts

Combine eggs, sugar, peanut butter, shortening and vanilla; blend thoroughly. Add dry ingredients and mix only until smooth. Spread dough in two greased 15x10-inch pans. Sprinkle with nuts. Bake in moderate oven (350°F) for 25 to 35 minutes. Cut into 80 bars.

Fannie Ruth Beiler
Ronks

PEANUT BUTTER WHOOPIE PIES

2 cups brown sugar
⅓ cup margarine
⅓ cup peanut butter
2 eggs
½ teaspoon salt
2 cups flour
½ cup whole wheat flour
1 teaspoon baking powder
2 teaspoons soda, dissolved in 3 tablespoons boiling water

Cream sugar, margarine, peanut butter and eggs. Add salt, flours and baking powder. Add soda water. Beat. Drop on pans. Bake 8 to 10 minutes at 350°F.

Frosting:

3 cups powdered sugar
⅓ cup peanut butter, creamy
⅓ cup milk
1 tablespoon hot water
½ teaspoon salt

Mix all ingredients together. Spread between two cookies.

PEANUT BUTTER EGGS

4 tablespoons butter
5 tablespoons marshmallow
6 tablespoons peanut butter
1 cup confectioner's sugar

Mix all ingredients together well. Shape into eggs and chill. These may be coated with chocolate.

Mrs. Edward Mycek
Spring City

This creative Big Burger Cake features icing made with creamy peanut butter.

BIG BURGER CAKE

Yellow Casserole Cake (below)
2 teaspoons toasted sesame seed
Peanut Butter Frosting (below)
2 tablespoons cocoa
1 to 2 tablespoons strawberry preserves

Bake Yellow Casserole Cake as directed. Prepare Peanut Butter Frosting. Cut cake horizontally into 3 equal layers. Frost side only of bottom layer.

Mix ¾ cup of the remaining frosting with the cocoa; if necessary, stir in 1 to 3 teaspoons milk for spreading consistency. Frost top of bottom layer with part of the cocoa frosting. Place middle (hamburger) layer on top; frost top and side of middle layer with remaining cocoa frosting.

Drizzle side of middle layer with preserves to resemble catsup. Place remaining (rounded) layer on top. Frost with remaining frosting. Immediately sprinkle top of cake with toasted sesame seed. Makes 10 to 14 servings.

Yellow Casserole Cake

2 cups all-purpose flour
1 cup sugar
¼ cup butter, softened
¼ cup shortening
¾ cup milk
3 teaspoons baking powder
½ teaspoon salt
1 teaspoon vanilla
2 eggs

Heat oven to 300°F. Grease and flour 1½-quart round casserole. Beat all ingredients in large bowl on medium speed, scraping bowl constantly, until blended, about 30 seconds. Beat on high speed, scraping bowl occasionally, 2 minutes. Pour into casserole; spread evenly.

Bake until wooden pick inserted in center comes out clean, 1 hour 5 minutes to 1 hour 15 minutes. Cool 10 minutes; remove from casserole. Cool cake completely.

Peanut Butter Frosting

3 cups powdered sugar
⅓ cup creamy peanut butter
⅓ cup milk

Beat all ingredients on medium speed until frosting is smooth and spreading consistency. If necessary, stir in additional milk, ½ teaspoon at a time.

Note: To toast sesame seed, heat on ungreased cookie sheet in 300°F. oven until golden brown, about 3 minutes.

(Turn to Page B8)

Recipe Topics

If you have recipes for the topics listed below, please share them with us. We welcome your recipes, but ask that you include accurate measurements, a complete list of ingredients and clear instructions with each recipe you submit. Send your recipes to Sue Keene, Lancaster Farming, P O. Box 366, Lititz, PA 17543

January	
11	Low-Calorie Meals
18	Budget Casseroles
25	Beef Recipes

Featured recipe

This week's featured recipe comes from the American Dairy Association. Now that the busy holidays are a memory, it's time to dismantle all those beautiful decorations. And while you're busy getting the house back to normal, you might want to try this easy Macaroni and Cheese casserole for a quick, nutritious meal in the microwave.

The addition of Romano cheese heightens the customary Cheddar flavor of the dish. And, crisp bacon, sliced fresh tomatoes and seasoned bread crumbs add color and flavor.

Macaroni and Cheese

12 ounces elbow macaroni, uncooked
8 ounces sliced bacon
6 tablespoons butter
6 tablespoons flour
½ teaspoon salt
¼ teaspoon pepper
3 cups milk
3 cups (12 ounces) shredded Cheddar cheese
½ cup grated Romano cheese
2 small onions, sliced
1 tablespoon butter
¼ cup dry French bread crumbs
1/8 teaspoon Italian seasoning

Cook macaroni on top of the stove according to package directions: rinse and drain. Cook bacon in mircowave according to manufacturer's directions; crumble and set aside Place 6 tablespoons butter in 3-quart round casserole Microwave on high 1 to 1½ minutes. Stir in flour, salt and pepper until smooth. Microwave on high 45 to 60 seconds, or until mixture bubbles.

Gradually stir in milk. Microwave on high 8 minutes or until thickened and bubbly, stirring every 2 minutes. Stir in cheese until melted. Stir in macaroni and bacon. Place tomato slices around outer edges of casserole. Microwave 1 tablespoon butter in small dish 15 seconds. Stir in bread crumbs and seasoning until well combined. Sprinkle crumb mixture over tomatoes. Microwave Macaroni and Cheese casserole on high 5 to 6 minutes, or until hot and bubbly, rotating dish after half the cooking time.

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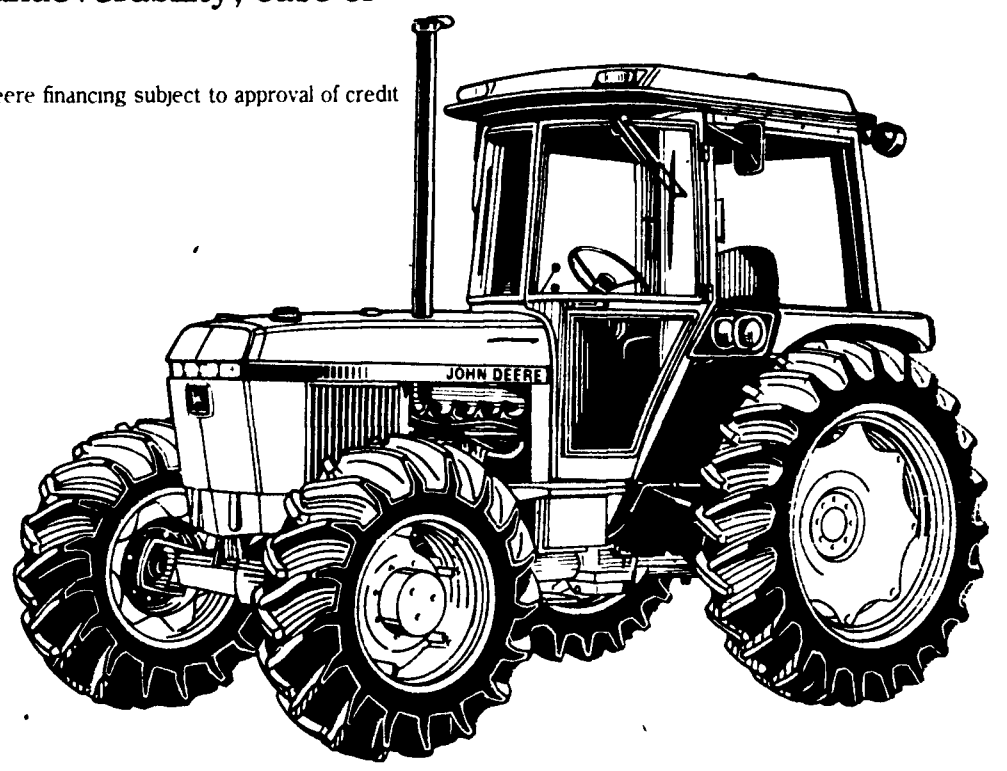

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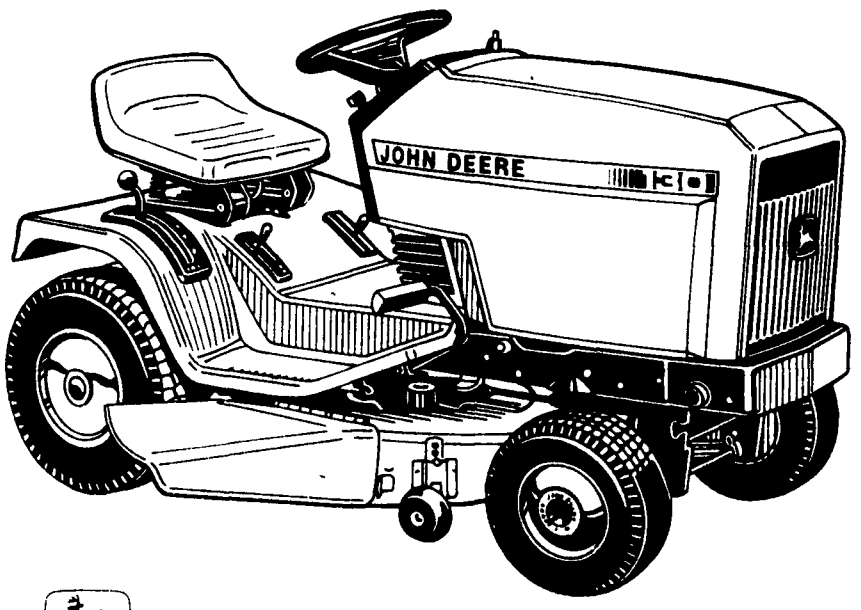
The $115* you don't spend this year will buy a lot more lawn tractor than last year



New John Deere 100 Series tractors offer you a lot more than last year's 100 Series and, in most cases for a lot less

Five models in the brand new line sell for $140 to $170 less and two models sell for the same suggested list prices as their 1985 counterparts

What's new for '86? Virtually everything Sleek styling with new hoodlines and sporty 2-spoke steering wheel Fully enclosed 9- to 17 hp engines for quieter more powerful performance Full pressure lubrication and overhead valves on most models for better productivity and longer engine life

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Average reduction in suggested list price of 1986 100 Series tractors compared to 1985 models Some models have larger individual savings others are the same price Actual selling price of each model may vary by dealer

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The Long Green Line™

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Peanut butter

(Continued from Page B6)

CRUNCH BARS

Bars:
½ cup butter
¾ cup sugar
2 eggs
1 teaspoon vanilla
¾ cup flour
¼ teaspoon baking powder
¼ teaspoon salt
½ cup chopped walnuts
2½ cups miniature marshmallows

Cream butter and sugar. Beat in eggs and vanilla, flour, baking powder, and salt. Stir in walnuts. Spread mixture in a 13x9x2-inch greased cake pan. Bake at 350°F. 15 to 20 minutes. Remove from oven and evenly place marshmallow over top and return to oven for 4 minutes. Allow to cool 30 minutes and spread with topping.

Topping:
1 cup chocolate chips
1 cup peanut butter
1½ cups rice cereal

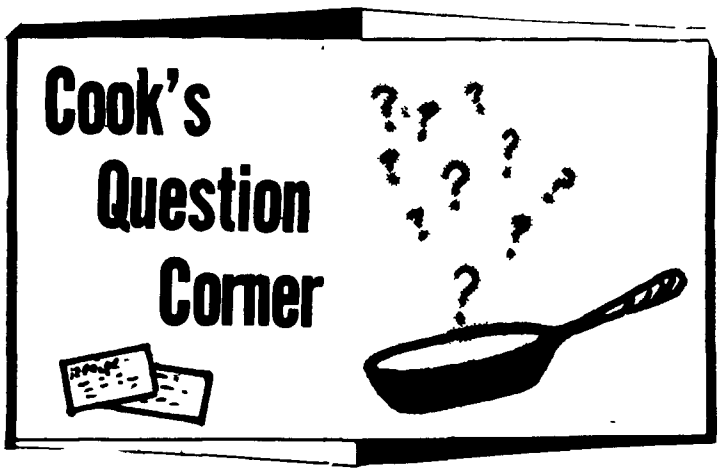
Melt chocolate chips over low heat; stir in peanut butter and fold in rice cereal.

Mary E. Glick
Howard

PEANUT WHIRL COOKIES
½ cup shortening
1 cup sugar
½ cup peanut butter
1¼ cups sifted flour
½ teaspoon salt
½ teaspoon soda
1 egg
1 teaspoon vanilla
2 tablespoons milk
1 6-ounce package chocolate chips

Cream shortening, sugar, peanut butter, egg and vanilla. Add sifted dry ingredients with milk. Roll out cookie dough into rectangle ¼-inch thick. Melt chocolate chips over hot water and spread on rolled cookie dough. Roll jelly roll fashion and chill ½ hour. Slice with a sharp knife into thin slices ½ inch thick. Bake at 350°F. for 8 to 10 minutes. Makes 5 or 6 dozen.

Marian Martin
Lebanon



If you are looking for a recipe but can't seem to find it anywhere, send your recipe request to Cook's Question Corner, care of Lancaster Farming, P.O. Box 366, Lititz, Pa. 17543. There's no need to send a SASE. If we receive an answer to your question, we will publish it as soon as possible.

Answers to recipe requests should be sent to the same address.

QUESTION - Raymond Schreyer, Boyertown, is looking for a good recipe for rattlesnake.

QUESTION - Mildred Sickler, Falls, would like a nut roll recipe that makes 4 to 6 rolls.

QUESTION - Verna Weaver, New Holland, is looking for a recipe for light and buttery croissants.

Red meat output up eight percent

HARRISBURG – Commercial red meat production, dressed weight basis, in Pennsylvania during November 1985 totaled 84.6 million pounds, up eight percent from November 1984, according to the Pennsylvania Crop and Livestock Reporting Service.

Beef slaughter, at 112.4 million pounds, liveweight, was up 17 percent from November 1984. Total head slaughtered was 35,400 up 11 percent, and liveweight averaged 1,178 pounds, an increase of 55 pounds. Veal slaughter was 4.3 million pounds liveweight, 10 percent below last year. Calf slaughter at 26,100 head was down five percent. The average livestock decreased nine pounds to 165 pounds.

Hog slaughter at 31.3 million liveweight, was down nine percent from a year earlier. Total head slaughtered was 133,400, down nine percent, average liveweight decreased two pounds to 235 pounds. Lamb and mutton slaughter was 851,000 pounds liveweight, down 38 percent. The number slaughtered was 8,100, down 39 percent. However, the average liveweight increased two pounds to 105 pounds.

U.S. commercial red meat production in November totaled 3.12 billion pounds, down six percent from November 1984. Comparing November 1985 with November 1984, beef production at 1.81 billion pounds was down six percent. Cattle kill at 2.81 million head was down nine percent, while average liveweight increased 31 pounds to 1,102. Veal production at 42 million pounds was down two percent from last year. Calf slaughter at 288 thousand head was down four percent but average liveweight increased seven pounds to 249.

Pork production totaled 1.24 billion pounds, down seven percent. Hog kill totaled 7.01 million head, down eight percent. Average liveweight increased two pounds to 248 pounds. Lamb and mutton production, at 28 million pounds, was down seven percent from last year. Slaughter totaled 476 thousand head, down 12 percent. Liveweight averaged 116 pounds, three pounds heavier than a year earlier.

Refunds denied in grain embargo

WASHINGTON – Everett Rank, administrator of the U.S. Department of Agriculture's Agriculture's Stabilization and Conservation Service, said that hundreds of farmers have been misled into filing claims for on losses on grain allegedly resulting from the 1980 grain embargo to the Soviet Union.

Rank said USDA's General Counsel takes the position that there is no basis for these claims, only authorizes the purchases of agricultural commodities, other than grains, that were under contract for export to the USSR before the embargo took effect but could not be exported because of the embargo. He said all claims received by USDA have been denied.

Rank said meetings have been held in parts of the Midwest and inaccurate literature has been circulated telling farmers how to file claims for compensation.

According to Rank, "Anyone who tells farmers that they are entitled to compensation under this statute for losses on grain alledgedly caused by the embargo either has not bothered to readit or is trying to mislead people."

HAVING SOIL PROBLEMS?
Here's A Timely Tip.

Apply lime on frozen ground

Lime can be applied almost anytime, however winter months are ideal, because the ground is firm and the freezing and thawing action helps to disseminate the lime in the soil.

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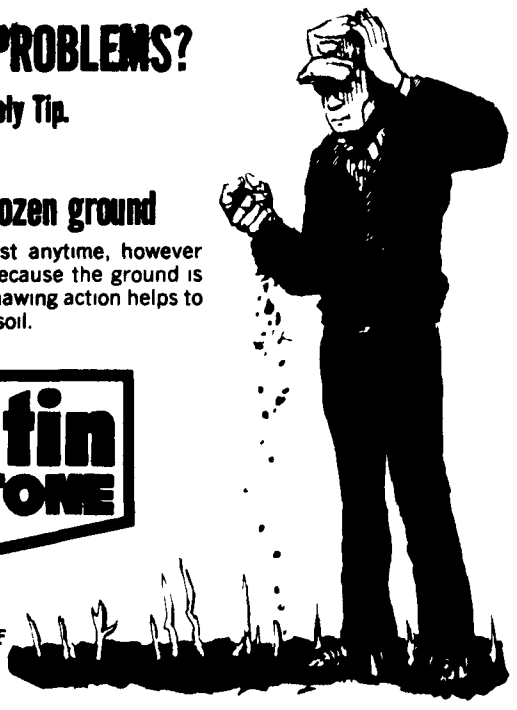

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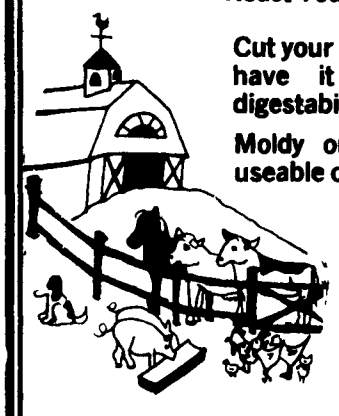
Roast Your Barley, Wheat & Oats



Cut your barley earlier with higher moisture and have it roasted for drying and better digestability and sow your soybeans earlier.

Moldy or musty grain, have it restored to useable condition by roasting.

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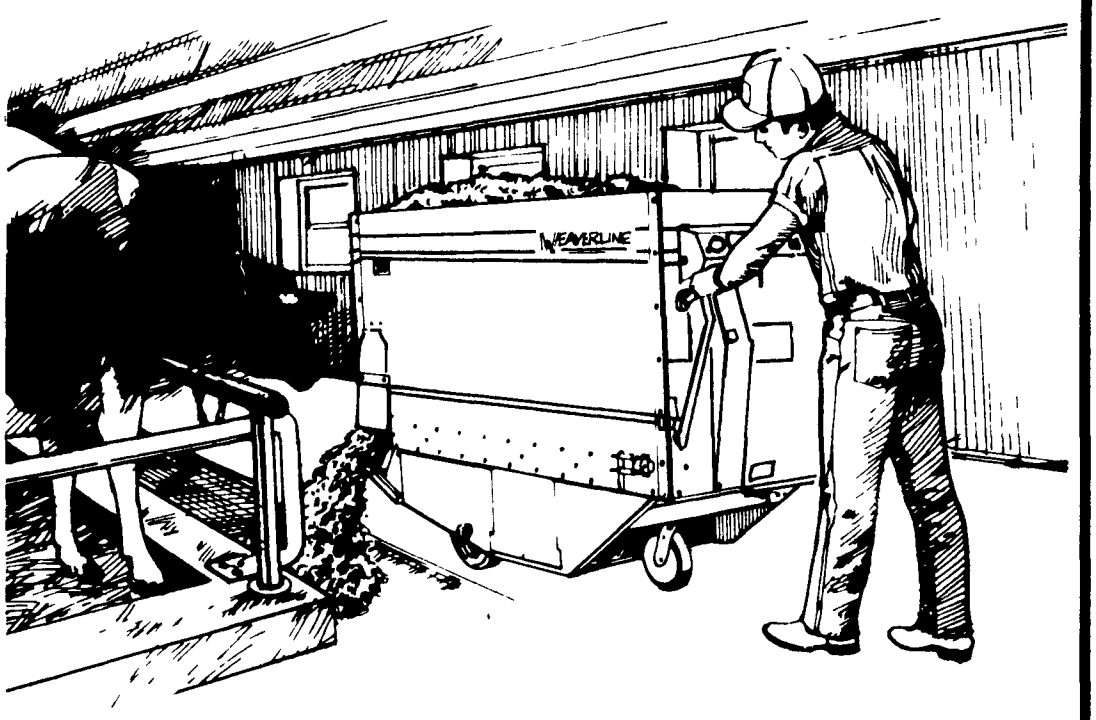

With a Series IV battery-powered feed cart from Weaverline, you'll feed your cows in less time—with less work. Hydrostatic drive gives you fully variable speed control. Six unloading speeds let you put feed right where you want it. And with the new drop-in baffle you can feed high-moisture corn as well as silage and haylage.

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On being a farm wife -And other hazards-

Joyce Bupp

Look out. Temptation is hammering away at the door again.

Now, understand, there aren't all that many material things that tempt me any longer. Big cars use too much gas and fancy-dancy clothes are hardly fitting for feeding calves. Boats have to be scraped and painted every other month and the only fur I really care to have draped around my shoulders belongs to the Christmas-ball loving house kitten.

Then those doggone seed catalogs start rolling in. And set against the background of snow layered with ice and ten-degree afternoons, all my anti-temptation will power turns to so much mush.

Ah. Those flawless photos of dewkissed red tomatoes, crispy, pink melon flesh, crunchy lettuce and sweet corn dripping with butter. To say nothing of balloon bouquets of zinnias, pansy faces smiling winsomely from a centerfold and beds brilliant with fat red geranium blooms.

All brought to you direct from the magical never-never land of the seed catalog: never a slug hole in the cabbage; never a leaf coated with fuzzy gray mildew; and hail never hammering the hollyhocks.

What really fascinates me in today's seed catalogs, virtual shopping "malls" for the novice as well as the serious gardener, are the pages and pages of gardening gadgets and gimmickery.

How about an inflatable owl or scarecrow or snake to startle the starlings out of your strawberries. No guarantees, though, that they'll work on the flock of barnyard bantams.

Or some beeswax creme for softening gardener's hands? A popcorn popper, cement mixer or knee kneeling pads? Or something called a Hooker Hanger for displaying your prized hanging baskets?

A couple of years ago, seed tapes brought us perfectly spaced seeds, saving the need to thin fledgling carrots and baby beets. Now, one catalog has introduced something called Plantlettes: embryonic plants already germinated and shipped in watertight capsules.

Of zero interest to me are the ads for dried cow manure or praying mantis cases. Both already find their way—free—into this household. The manure arrives daily (and not always dried) on a score of boots, and our Christmas greens came bearing a potential praying mantis invasion.

I might be more interested in the offering by one catalog of coloring books featuring birds, cactus, houseplants, herbs and similar topics. They're tempting to those of us who never outgrew our "coloring" stages.

And one gadget I heartily recommended if you're into big batches of canning tomatoes is the Victorio strainer. It's a winner not only because it makes pureeing large batches of tomatoes, applesauce, etc., easier, but the teenagers seem to think it's a toy and actually fight over turning the handle. That alone makes it worth its weight in hybrid seeds.

Still, nothing is perfect and reality strikes even in seed catalogs.

A glowing description of one particular seed item ended with this rather terse comment: crop failure.

Gee. Seed catalogs are human, too.

Equine scholarship available in Montgomery Co.

CREAMERY – The Montgomery County Equine Council announces the availability of the Tom Campbell Memorial Scholarship to a deserving youth between the ages of 12 to 20 who resides in Montgomery County. The scholarship has been set up to honor Tom Campbell, a former member of the Equine Council Board, a long-time horse enthusiast and a member of the 4-H Advisory Board.

Tom always liked to work with youth who were interested in horses. He tried to provide opportunities for youth to better themselves as riders, horsemen and women and as teen leaders. To recognize this interest, the Equine Council is offering an annual scholarship of $200 in Tom's memory.

The scholarship is to be awarded to a young horse enthusiast with a special financial need, be it for college, horsemasters courses, veterinary fees, lessons or anything of a similar nature dealing with horses.

An official application form must be obtained from Chris Ludt, 111 Mine Run Road, Schwenksville, Pa. 19473 or the 4-H Office at Box 20, 1015 Route 113, Creamery, Pa. 19430 (489-4315). Completed forms must be returned to Ms. Ludt by February 4, 1986.

After careful review of the applications, the Equine Council will select those to be interviewed. The winner will be announced and the scholarship presented at the spring annual meeting of the Equine Council.

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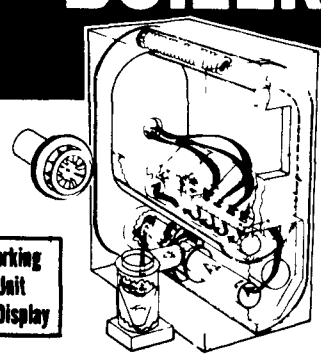

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Future is bright for forest products industry

BY BORIS WEINTRAUB
National Geographic
News Service

WASHINGTON — And now for some good news: There is one basic industry in the United States for which the long-term future is bright.

That is the forest products industry.

A recent study of wood use by the congressional Office of Technology Assessment concluded that, contrary to long-time predictions of scarcity, national timber supplies will be sufficient to meet domestic demand in the foreseeable future.

What's more, the study found that, given improvements in harvesting technology and better management of timberlands, the forest products industry has major opportunities to expand exports to the point where the United States would no longer be a net importer of wood products.

And the study noted that this could occur without significant environmental damage and without major increases in the cutting of trees on public lands, by concentrating on timber production on private lands.

Lone Bright Spot

"If you look at the range of basic industries in this country, if you look at steel, automobiles, mining, the wood-using industry is perhaps the only one that has a bright future," says James W. Curlin, who directed the OTA study.

The United States consumes about a fourth of total world wood production, far more than any other nation. That wood goes into the two basic sections of the industry: solid wood, used primarily for construction, furniture, and a host of smaller products from signs to coffins; and pulp and paper products.

But the United States is also the world's largest industrial source of forest products. The OTA found that American timber harvests would increase over the next three decades, and that better harvesting and processing, such as making use of defective wood now left on the site, and better management, such as fertilization and thinning, would help increase the timber supply.

In contrast, the other major wood producing areas—Japan, Canada, the Soviet Union, and western Europe—face dwindling supplies, difficulties in bringing timber to market, and climates that limit their ability to meet the expected 50 percent increase in world demand for forest products by the year 2000.

The biggest problem facing the American industry may be that it owns only 14 percent of the nation's timberlands. About 28 percent is publicly owned, including the 89 million acres in the national forest system, some of which may be commercially logged.

Small Private Owners

The remaining 58 percent is privately owned outside the industry and holds the highest potential for increased production. Much of that land is in small tracts of 100 acres or less, and the typical landowner bought it for reasons other than timber production: farming, recreation, or investment potential.

This aspect of the report has drawn fire from the National Forest Products Association, an industry federation, which is less optimistic.

"We recognize the opportunities, but OTA doesn't deal with the realities," says William J. Lange, the NFPA's manager of resource planning. "These lands aren't managed as well, and the report assumes a huge investment will be made that isn't being made."

Educating small landowners about the potential of their timberland could pay dividends, however.

"We find that once they know they can manage their land better, harvest a few trees, and pay their taxes or send their kid to college with the income, they do pretty well," says Larry Tombaugh, chairman of the forestry department at Michigan State University and head of a panel of experts that advised the OTA study team.

Tombaugh also is optimistic about the environmental prospects of increased production. With environmental awareness and careful management of forest lands, he says, "We can have our cake and eat it, too."

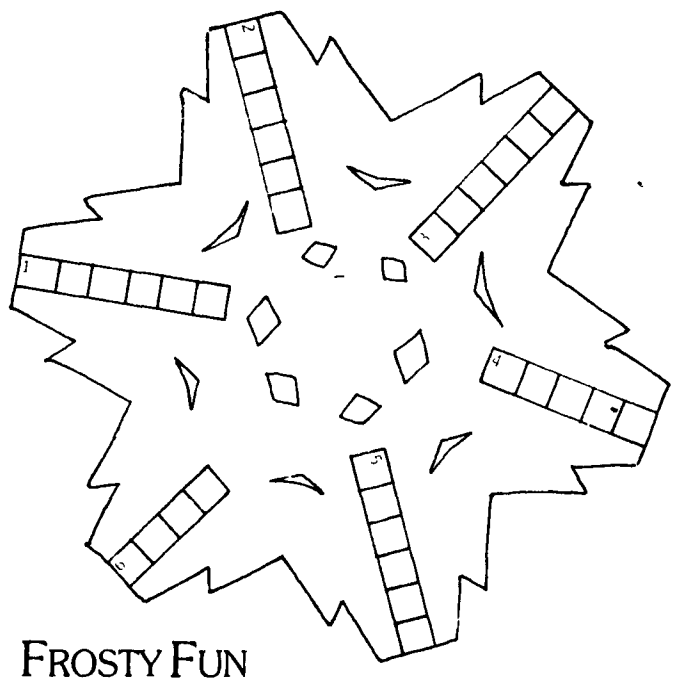
Environmentalists aren't so sure. Peter C. Kirby, director of forest management programs for the Wilderness Society and a member of the OTA panel, agrees with the report's emphasis on private lands, but cautions that private timber harvesters must meet environmental concerns, as do those who cut timber on public lands.

Striking a Bargain

"Many companies enter into cooperative relationships with private landowners, and much will depend on the environmental attitudes of the people they contract with," he says. "I'm talking about providing streamside buffers,

(Turn to Page B12)

Try this snowy puzzle



FROSTY FUN

by Celeste Koon

There's a word in each of this snowflake's points. The first letters spell a word when placed in the numbered spaces below.

1	2		4	5	6

CLUES

1 A long tailed animal whose fur turns white to match the snow is a _____

2 When water freezes faster than it can drip it makes an _____

3 In winter the days are short and the _____ are long

4 Some _____ lose their leaves in fall

5 When people keep their houses cool in winter and wear sweaters inside they save _____

6 The amount of water in six inches of moist fallen snow is the same amount as in one inch of _____

Answers: 1 ... 2 ... 3 ... 4 ... 5 ... 6 ... WINTER

COLOR THIS!

1.	BLACK	6.	PEACH
2.	RED	7.	GREEN
3.	YELLOW	8.	LT. BROWN
4.	BLUE	9.	LT. BLUE
5.	BROWN	10.	LT. GREEN

ROBINSON CRUSOE WAS THE NAME OF THE CHARACTER IN THE BOOK BY DANIEL DEFOE. CRUSOE WAS MAROONED ON AN ISLAND FOR 28 YEARS BEFORE HE WAS RESCUED. DEFOE MODELED HIS CHARACTER AFTER A REAL LIFE SAILOR WHO WAS PUT OFF HIS SHIP BY A DISGRUNTLED CAPTAIN. THIS SAILOR STAYED ON AN ISLAND 4 YRS.

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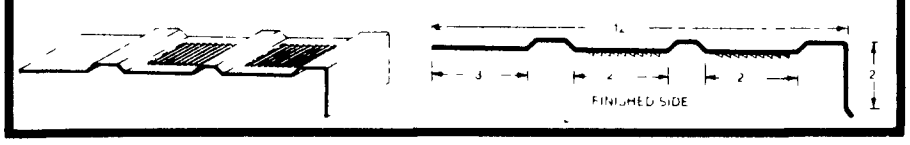

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- Harbor Blue
- Earth Brown
- Sand Tan
- Cypress Green

29 Gauge Galvalume Metal

29 Gauge Galvanized Metal

24 Gauge Aluminum
- White
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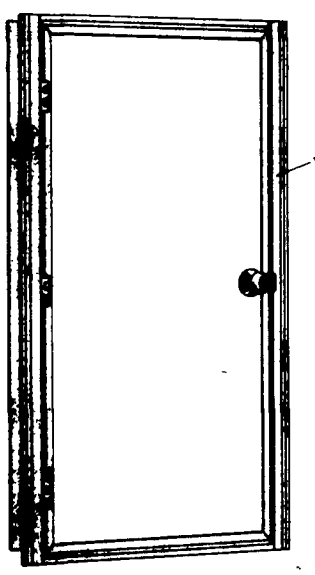
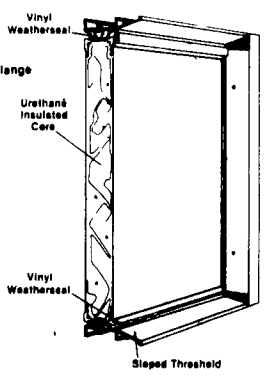
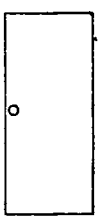
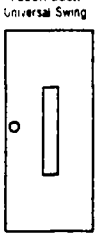




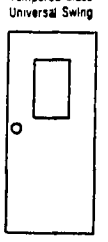
STYLES AVAILABLE



410
FLUSH DOOR
Universal Swing



410-A
7 x 36
Tempered Glass
Universal Swing



410-B
20 x 24
Tempered Glass
Specify Swing

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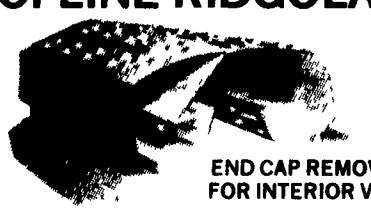
ROOFLINE RIDGOLATOR®



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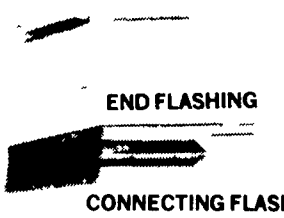

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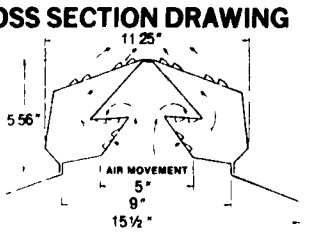

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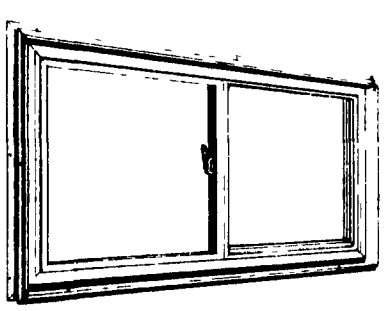

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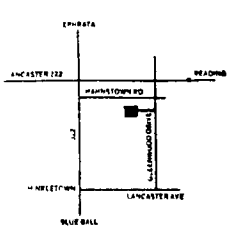

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Eggs lose weight on supermarket shelves

ITHACA, NY — Americans are so used to shopping for eggs by size that they pay scant attention to the weight of the eggs. Most shoppers, in fact, couldn't care less about it.

But, it matters to egg inspectors who periodically check eggs in food stores to make sure those eggs weigh as indicated on the carton. Farmers in violation of the law governing the egg weight face a stiff penalty.

Eggs come in several sizes with different weights. Jumbo eggs, for example, must weigh 30 ounces a dozen; extra large 27 ounces; large 24 ounces; medium 21 ounces; and small 18 ounces. Eggs weighing less than 18 ounces a dozen are lumped into the so-called peewee category.

The question is, do eggs sold in the supermarket weigh as shown on the carton?

"Not always," says Robert C. Baker, a poultry scientist in the New York State College of Agriculture and Life Sciences at Cornell University. "A rash of violations has been reported over the years in New York State and in other parts of the country."

Are farmers cheating the shopper?

The Cornell scientist doesn't think so. Farmers claim they abide by the law to the letter, making sure their eggs are at the legal weight before leaving the farm.

Meanwhile, egg inspectors representing state and federal governments sometimes think otherwise, because they occasionally discover eggs sold in the supermarket that don't weigh as much as they should.

Prompted by this snaggy issue, Cornell's Baker decided to settle the argument through an impartial scientific investigation. He wanted to find out who was right, the farmer of the inspector.

The study, in an "eggshell," went this way. A bunch of eggs from one strain of Single Comb White Leghorn, one of the most productive breeds known, was separated into three popular sizes -- namely, extra large, large, and medium. Half of the eggs were stored in a supermarket-type refrigerator, with the temperature set at 55°F. The other half were kept at room temperature (70°F.).

In order not to overlook anything, Baker tested eggs produced during three different periods of production: fourth, eighth, and 12th month.

All eggs undergoing the test were weighed every day for 21 days–long enough for eggs to travel from the farm to the consumer's dinner table through the supermarket.

The result?

The Cornell scientist found that those eggs, indeed, lost weight somewhere along the way. It turned out that the average weight loss in all refrigerated eggs was 1.2 grams per egg, or 14.4 grams per dozen; that translates into about half-an-ounce loss in weight per dozen.

Eggs stored at room temperature lost even more weight, averaging 2.7 grams. That's more than twice the weight loss of those eggs kept in the refrigerator.

In addition, eggs produced during the fourth month of production lost weight least, whereas those from the 12th month of production lost most.

"The larger the egg, the greater the weight loss," reports Baker, a professor and chairman of Cornell's Department of Poultry and Avian Sciences.

Why do eggs lose so much weight?

"That's simple. They lose weight through evaporation," explains Baker.

So Baker's verdict is that neither the farmer nor the egg inspector is at fault. But, law is law, hence the situation facing both the farmer and the inspector is ticklish, Baker acknowledges.

"One solution, I think," says Baker, "is that the farmer should pack eggs that weigh a bit more than legally required, taking into consideration that the eggs will lose some weight before shoppers buy them in the supermarket."

The Cornell scientist hopes that his findings help settle this longstanding issue because the real culprit is the egg, not the farmer.

Ultimately, the winner will be the consumer.

Forest products

(Continued from Page B10)

protecting species diversity, and so on."

Assuming such concerns can be met, increases in world demand in both industrialized and developing nations offer major prospects. The United States exported $7.3 billion worth of forest products in 1982, and OTA expects that to increase. So do industry observers.

"The United States is becoming more competitive each year," says John V. Ward, director of international trade for the NFPA, whose business card is printed in both English and Japanese.

Ward admits that American producers are still oriented to the domestic market. But he adds that export figures—for lumber, plywood, hardwood veneer—have markedly increased in the last decade.

"We think the potential is very good to double the volume of our exports over the next 10 years," he says.

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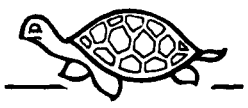

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Montgomery 4-H to offer teen leadership program

CREAMERY The Montgomery County 4-H Clubs and the Toastmasters International will offer a special teen leadership program to all area young men and women between the ages of 14-19 who wish to improve their ability to communicate--in public speaking, in conversation and in writing.

The eight-week program will begin on Monday, Jan. 20 and continue for seven consecutive Monday nights up to and including March 10th from 7 to 9:30 p.m. There will also be a special graduation program open to family and friends of the participants. The program will be held at the Montgomery County 4-H Center located on Route 113, one mile south of Route 73 near Skippack.

Prior experience in public speaking or involvement in 4-H is not necessary. Those signing up for the course will automatically become 4-H members for the year.

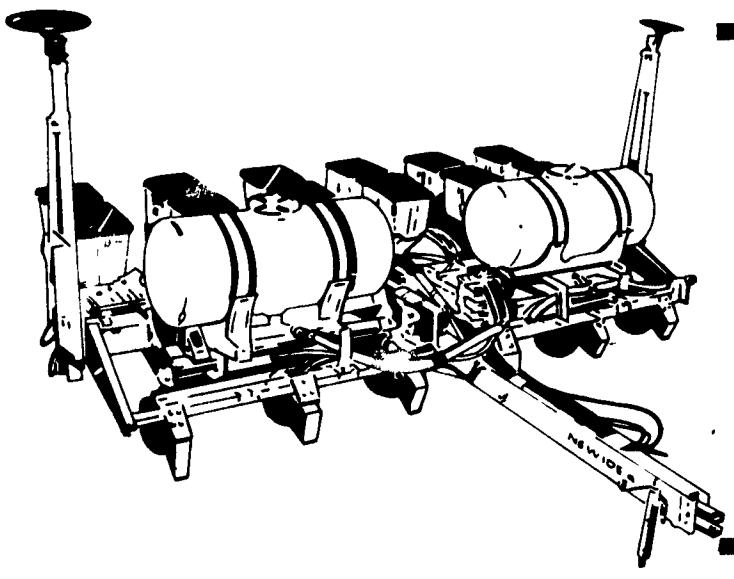
The Leadership program is not a formal "course" in public speaking such as might be offered in a classroom. Rather, the program covers a wide variety of experiences we all meet daily.

You will "learn by doing" by practicing speaking before group members and hold organized discussions in which all will join so that participants can become better acquainted with the techniques of group discussion and interaction.

According to program coordinator Dean Crouthamel of Lansdale, a member of the Doylestown Toastmasters, the purpose of the program is not to produce "orators," but to help teens develop self confidence and the ability to speak and listen better. It will be an experience that will help teens in school, at home and in the future work world. Individual Toastmasters from the Doylestown, Norristown and Valley Forge Clubs will be among the instructors for the course.

Advance registration is required. Please send your name, address, phone number, birthdate and currrent age to: Montgomery County 4-H Agent, Nancy M. Kadwill, Box 20, 1015 Route 113, Creamery, Pa. 19430. There is a $5 donation asked for each participant, which is refundable if the teen attends all the sessions. Please send a check payable to "4-H Development Fund" and send it along with your registration.

For more information on 4-H or the Toastmasters Youth Leadership Program call Nancy Kadwill at 489-4315.



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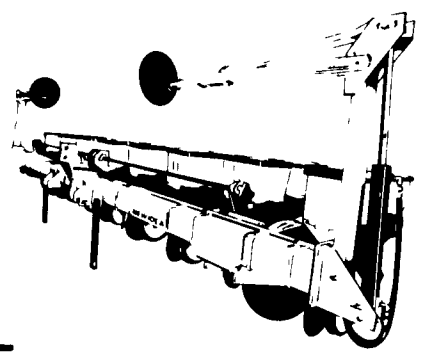

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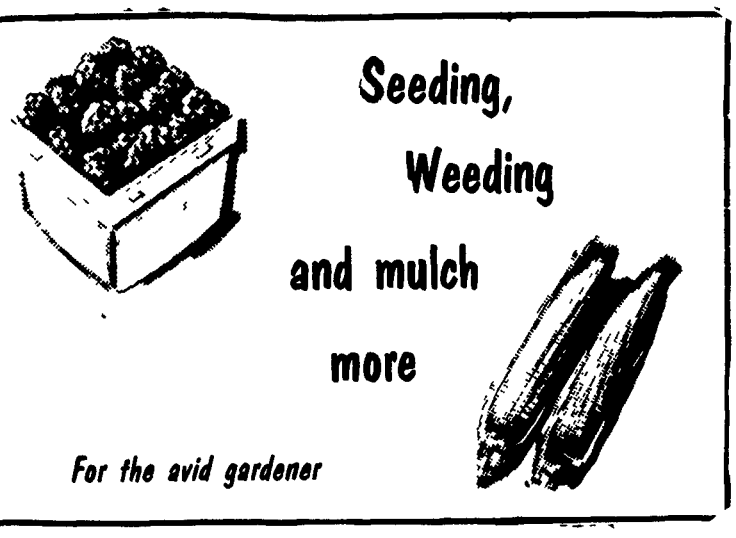

Gardeners can get a head start on next spring by doing some work this December. Penn State Extension horticulturalist, Robert Nuss offers the following advice. The garden site itself needs some attention to prevent or reduce any possible damage to the soil.

The heavy rain has increased soil erosion recently, and erosion can take a great deal of a gardener's valuable growing medium.

Wind erosion is another possibility later in the season when the soil is frozen. As the soil's top layer dries out, the binding quality of its water disappears. The topsoil layer can disappear in a winter breeze.

But a cover crop would be an effective way to prevent erosion, Nuss says. Since it's too late to plant a crop, the next best approach would be the application of a coarse organic matter. Use a thin layer of straw, oak leaves, weathered sawdust, wood chips or shredded bark on the surface. Next spring, the organic matter can be incorporated into the soil to improve texture and overall quality.

Gardeners with access to manure can also use this medium on the surface over winter. Some nutrient loss will result from weathering, but the organic matter will still help the soil in spring.

Now's a good time to make one last check in the tool shed to make certain all the tools and garden equipment have been cleaned and properly stored for the winter. A few minutes now will make next spring's work easier.

Sprayers need special attention because liquid sprays may clog and corrode metal parts. Dismantle a sprayer and rinse it well with hot, clean water or an ammonia solution. Hang it upside down until it is completely dry. Put the parts together loosely and store the complete unit in a dry place. Make certain there is no water in the spray hose that might freeze in cold weather.

Hand tools tend to retain some soil after use. This soil can absorb moisture from the air and cause the metal surface below to rust over the winter months. Clean all soil from these items before putting them away. In fact, it is a good idea to keep them clean all during the gardening season. Once the metal surfaces are clean and dry, sharpen any cutting edges so they are ready for use next year. Before storage, rub a coating of wax on the metal to prevent rusting.

Garden hoses may already be disconnected and coiled for storage, so make certain no water is trapped inside the hoses. Freezing water can expand and rupture a hose in storage.

You should also service your power equipment before storage. Wash items thoroughly to remove oil, grease, soil and clippings. Run the engine a few minutes to heat the parts for faster drying. Drain the fuel tank by removing the fuel line from the carburetor connection. Once the tank has emptied, start the engine and run it until the lines are clear of fuel.

The cylinder should also be lubricated by removing the spark plug and placing a teaspoon of clean oil into the plug opening. Cover the hole and pull the starter cord slowly several times. If it's an electric starter, turn the engine over a few times. Replace the spark plug tightly to prevent dirt from entering the engine.

Winter is a good time to clean the air filter, change the oil and lubricate all the moving parts in power equipment. The bearings should be greased on small garden tractors. Any unpainted metal parts should be lightly coated with a film of oil to prevent rust.

Power equipment should also be stored in a dry area, Nuss adds. "I have seen small tractors and lawnmowers made useless when mice built winter nests in the small recesses of the engine and cooling systems," he says. "This equipment may not start in the spring. If it does, it may overheat and burn out because of improper cooling."

Fish loses texture, quality in freezer

ITHACA, NY. – Wrapping a piece of fish and freezing it solid is no guarantee that it will smell and taste fresh when you thaw it and cook it, a Cornell University food scientist says.

In fact, the taste and quality of most frozen fish will deteriorate in the supermarket freezer before you buy them, says Joe M. Regenstein, an associate professor of food science in the New York State College of Agriculture and Life Sciences at Cornell.

"People treat frozen fish as any other frozen product," he says. "That's wrong, because frozen fish is such a perishable product."

Regenstein and his colleague, Glenna J. Ryan, a Cornell Cooperative Extension associate and nutritionist, have been working with frozen fish packers on ways to use minced fish, a by-product from the industry's filleting process. From their research on the fillet by-products, Regenstein and Ryan have become more aware that the quality of regular frozen fish—whether it be in fillet or fish stick form—deteriorates in freezers.

"Most people think that freezing halts deterioration," Regenstein says. "However, in fish, the process of deteriorating quality during frozen storage goes on at a measurable rate."

Freezers in warehouses, trucks, supermarkets, and homes keep the fish from spoiling, but they are not cold enough to preserve the texture and taste of fish.

"Fish don't spoil from the health aspect in properly working freezers, but their quality deteriorates," Regenstein says.

Three major causes of deteriorated flavor and texture in frozen fish and other frozen products are ice crystal formation, freezer burn, and rancidity, he explains. Ice crystals, which form during freezing, disturb the cell structure in the frozen food, resulting in increased moisture loss during thawing.

Freezer burn is a loss of moisture during freezing, primarily through evaporation from improperly wrapped products. Rancidity is a chemical reaction that results in unpleasant odors and tastes.

Many types of popular frozen commercial fish undergo yet another type of change as the result of an enzymatic reaction, Regenstein says. That enzymatic reaction, which occurs most commonly cod, haddock, hake, whiting, cusk, and pollack, changes the texture of the fish from moist and smooth to dry and fibrous. Such reactions occur at temperatures above minus 22°F.

Since most freezers operate at temperatures ranging from zero to minus 10 degrees, frozen fish must be treated as a perishable item, Regenstein says. Fish simply will not keep in freezers for extended periods, as will red meats, poultry, or vegetables.

Unfortunately, Regenstein says, much of the frozen fish available on the market has already been frozen for some time. Frozen fish is sometimes held in these "less than ideal" freezer conditions for more than a year before being released to the market. The fish-packing industry does this to adjust the supply and the market prices.

"We have a very fine food distribution system in America," Regenstein explains. "However, it was designed for other products, such as red meat or vegetables. Unfortunately, frozen fish falls in the cracks."

Some types of fish last longer than others in frozen storage. For example, fatty fish, such as herring, mackerel, salmon, and trout should be stored in freezers for only about three months. Leaner fish, such as cod, haddock, flounder, and red snapper, can be stored for as long as six months.

The flavor and texture of all types of fish would be better preserved if the fish were stored at colder temperatures, below minus 22°F.

"So the answer for now is beating the clock," Regenstein advises. "The sooner you use frozen fish, the better the quality."

Regenstein hopes that the food storage and distribution network in the United States catches on to these facts and provides colder storage for frozen fish.

In the meantime, Regenstein advises that consumers use their frozen fish quickly.

"The bottom line is that people should be able to get a better product by not leaving it around in the freezer for too long," he says.

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Model 505 Baler	$1,400
Model 1426 Baler	$1,500
Bale Throwers	$150
All Round Balers	$700
Bale Handlers	$300
Models 472-474-488-489 Mower-Conditioner	$500
Models 495-499-116-411 Mower-Conditioner	$750
Models 1496-1100-1116 Windrower	$1,500
Models 1003-1052 Bale Wagon	$500
Models 1036-1037 Bale Wagon	$800
Models 1068-1069-1075 Bale Wagon	$3,500
Rakes	$155
Mowers	$150
Disc Mowers	$200
Tedders	$125
Forage Products:	
Models 718-782 Forage Harvester	$500
Model 900 Forage Harvester	$875
Model 1600 Forage Harvester	$1,450
Models 1900-2100 S.P. Forage Harvester	$4,200
Model 38 Crop Chopper	$200
Model 8 Crop Carrier	$200
Models 25, 28, 30, 40 Blower	$75

Product	Dividend earned in January
Grinder Mixers:	
Models 353-355	$475
Models 358-359	$800
Manure Spreaders:	
Models 213-329-513-514-519-520	$325
Models 679-680-791-795-800	$575
Slurry Spreaders:	
Model 302	$500
Model 307	$700
Tank Spreaders:	$350
Tub Grinders:	$750
Skid-Steer Loaders:	
Models L-250, L-325	$275
Models L-425, L-445, L-451, L-452, L-455	$600
Models L-555, L-554	$750
Models L-35, L-775, L-779, L-784, L-785	$900
Model LB-620	$1,100

THE MICRO WAY

LANI BLOOMER

Browning Grills

Is your browning grill gathering dust in the back cupboard? Dust it off and heat it up. It's great for snacks and getting a quick meal for your teenager when he finally gets home from basketball practice!

A microwave browning grill is a frying pan for a microwave oven. It is used for frying things that you would fry in a skillet or pan on top of the stove. A few foods, such as an open faced grilled cheese sandwich or frozen french fries, that would be cooked under a broiler or in a hot oven can also be cooked on one of these grills.

People ask me all the time, "Could I brown a turkey on a browning grill?" No. Would you brown a turkey in a frying pan on top of your stove? (Besides, the fat in the turkey skin does brown a little in the microwave all by itself!)

Fried eggs, grilled cheese sandwiches, crispy fish sticks, toasted appetizers, frozen french fries, grilled fruits, and browned chops, steaks and hamburgers are foods that you can cook on a browning grill. Most of these foods could not be cooked very well in the microwave without a browning grill. Reheat pizza on a browning grill for a brown, crispy crust.

There are disadvantages to the browning grills, though. They are best for small quantities of food. With large amounts, you have to cook in batches, reheating the grill in between. If you crowd the food together on the grill, it won't brown as well.

I didn't care for steaks and chops cooked on a browning grill because they don't get as brown or crispy as when grilled under a broiler. Pork chops sometimes get dried out. However, other people have reported excellent results with these meats on their grills.

Other disadvantages are that foods splatter when cooked on a grill, so you have to wipe the oven out. (This can be a problem with micro/convection ovens, but isn't with a regular microwave.) Also, frying foods usually produces some smoke. Is your microwave near an exhaust fan?

Browning grills are best, I think, for cooking meals for one of two people. If your family has split meal hours, a browning grill can whip up a couple of hamburgers and some frozen french fries in about 10 minutes.

If you are thinking about buying a grill, get the largest one that will fit in your microwave. The grills are expensive, and the larger ones can do much more than the smaller ones, even for a single person. Not only do the larger ones hold more, they seem to do a better job of browning the food.

Some grills come with a cookbook with timing suggestions for meal combinations. This makes learning to use the grill easier. And some grills come with a plastic cover to contain the splatters.

Here are some tips for getting the most out of your browning grill.

–Always use high power for browning grills. When preheating the empty grill, a special coating on the grill absorbs the microwave power, and heats up. This makes the grill hot, just like a frying pan preheated on a burner.

–Preheat the grill according to the directions that came with your grill. My grill is preheated for four to five minutes for eggs, hamburgers and sandwiches; and for eight to nine minutes for larger items like steaks. If the food burns on the first side, it's been preheating too long. If it doesn't brown enough, you may need to preheat longer.

–The first side of the food placed on the grill will get the brownest. Cook the food for a short time on the first side, then a longer time on the second for even browning.

–Usually foods need some sort of fat to brown well. Butter bread products to get them toasty brown. Grease the grill when cooking foods that don't contain much fat. Spraying a vegetable oil on a hot grill produces a lot of smoke; liquid or solid shortening is better.

–To grease a hot grill lightly, take a little of the wrapper off one end of a stick of margarine or butter. Holding the wrapped end, run the unwrapped end over the grill. The hot surface melts off as much as you want!

–When the grill is hot, you will probably need potholders to handle it. Be careful where you set it to cool. A man once told me he's melted his countertop and scorched a breadboard setting the hot grill down! Leave the grill in the microwave, set it on a cake rack, or on your stove top to cool.

–Some grills get black and terribly dirty looking when they are used, especially if they are reheated between batches of food. In spite of their looks, they aren't too hard to clean. Cleanser and a dish cloth will remove blackened drippings. If your directions say not to use cleanser, baking soda does just as well.

–A browning grill should always be used on the bottom of your oven. Do not put the grill on a metal rack. Whole meal cooking with the grill on the bottom and other foods on the rack is very difficult, since the grill doesn't get full power.

Watch for The Micro Way next week for browning grill recipes and meal combinations.

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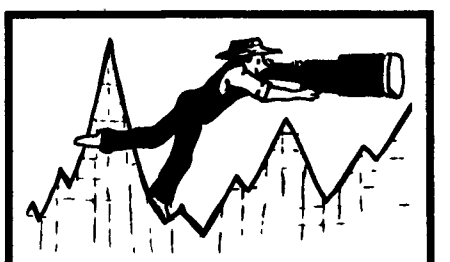
4-H babysitting course set for January

CREAMERY – Youth ages eleven to fourteen years old are invited to attend a 4-H babysitting course, offered for five consecutive Monday evenings starting Jan. 13, in the Mainland area. The course will be held from 7 to 8:30 p.m. at a building on the corner of Sumneytown Pike and Upper Mainland Road.

The following topics will be covered: babysitters responsibilities, child development and appropriate games, feeding, diapering, infant and child care, first aid and sitter safety. Those who successfully complete the course will receive a 4-H Achievement certificate and ribbon. All participants will automatically become 4-H members.

The course will be taught by Marci Yoder, who is a 4-H leader and a former Pewnn View Christian School teacher. There is a fee of $5 for registration and materials. Class size is limited and registration is required. For more information contact Helaine Brown, 4-H Agent, at 489-4315, 8:30 AM to 4:00 PM, Monday through Friday.



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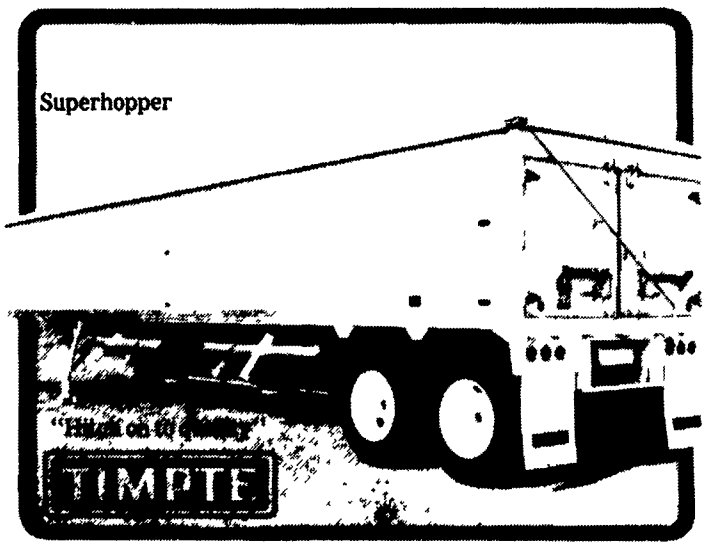

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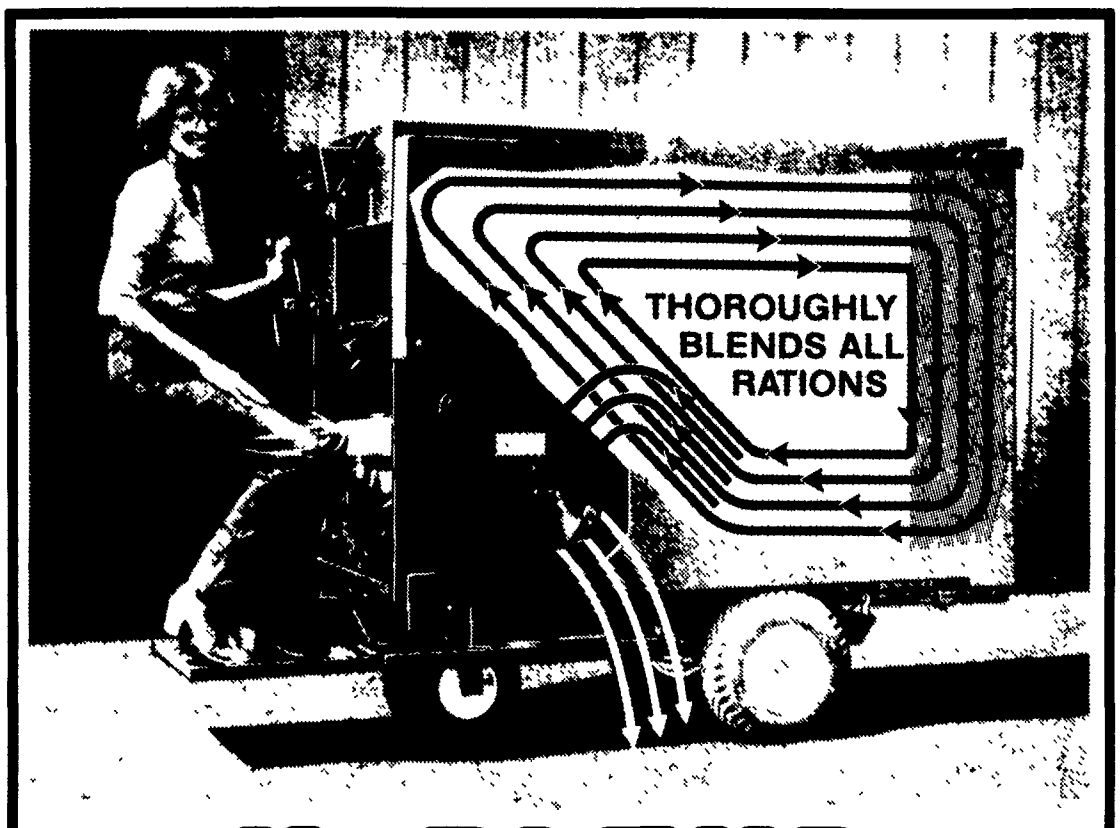

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Women, children, improve diets since 1977

WASHINGTON — American women and their young children consume less fat and more carbohydrate today than when surveyed in 1977, a U.S. Department of Agriculture report released this week shows.

These changes conform to recommendations in the 1980 first edition of "Dietary Guidelines for Americans" as well as the 1985 second edition, both published by the U.S. Departments of Agriculture and Health and Human Services.

In 1985, women reported diets that provided 37 percent of total calories from fat—down from 41 percent in 1977, and 46 percent of total calories from carbohydrate—up from 41 percent in 1977. Total calories consumed rose six percent since 1977. Children one to five years of age also had diets with relatively less fat and more carbohydrate than in 1977.

Both women and children reported drinking more lowfat or skim milk and using more grain products and soft drinks in 1985 than in 1977. They reported eating less meat separately and more as part of mixtures.

Women's intakes, on average, were above the Recommended Dietary Allowance for eight of 15 nutrients, regardless of the women's income, race or where they lived. However, the women failed to meet the RDA for vitamin B-6, vitamin E, folacin, calcium, iron, magnesium and zinc; again, regardless of income, race, or where they lived.

Information on diets of women and children in 1985 is contained in the first report from USDA's "Continuing Survey of Food Intakes by Individuals" conducted by the Human Nutrition Information Service. Information on the food and nutrient intakes for one day in the spring of 1985 by women 19 to 50 years of age and their children one to five years of age is compared with similar information collected in spring of 1977 as part of USDA's Nationwide Food Consumption Survey 1977-78.

The Continuing Survey is the first nationwide dietary intake survey to be conducted on a regular basis in this country, said John W. Bode, USDA assistant secretary for food and consumer services, and this report sets a record for timely release of information from a national dietary survey—release within six months after the data were collected.

"We are very proud to be able to provide such timely information," Bode said. "As the series of reports grows from year to year, it will become a basic tool, increasingly more useful, in tracking the dietary status of Americans."

The women and children in the survey are being interviewed six times during a one-year period to collect data on food intake for six different days. The new report covers only the first of these days. A future report will present the data for all six days.

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Farm Women Societies

Lancaster Society 2

Lancaster Society 2 held its December meeting at the home of Mae Hosler. Members made bed pads to be used at the Mount Dunkard Brethren Home.

Members also brought gifts to be shared with patients at the Harrisburg State Hospital. Those participating were given a name and that person's special needs were considered.

A memorial donation honoring the memory of Mamie Dohner was presented to Ruhl's United Methodist Church to be used toward a church organ.

Several members will attend the state Farm Women Convention during the Farm Show on Jan. 13 and 14. Those planning to attend are president, Ada Almadovar; Esther Sangrey and Edna Loose; alternates are Vivian Herniesan and Phyllis Lord.

The January meeting will be held at the home of Esther Petticoffer with Blodwen Brandt as co-hostess.

Lancaster Society 11

Lancaster Society 11 met on Dec. 26 at the home of Helen Shaub for a Christmas program.

Former member Mrs. Edna Champney was reinstated and 1986 program books were distributed.

The January meeting will be held at the home of Grace Ann Chase on Jan. 30.

Lancaster Society 14

Lancaster Society 14 met on Dec. 12 at Harvest Drive Restaurant. Rufus M. Brubaker, Penryn Road, Manheim, presented, "The Wonders of our Mountains and Wildlife," a 45-minute musical presentation with pictures from Colorado, the Rocky Mountains and Pennsylvania.

Cindy Stoltzfus sang several Christmas songs and Grace Miller gave a humorous skit. The group, led by Harry and Irma Brubaker, sang Christmas carols.

The group will meet on at 9:30 a.m. on Jan. 8 to sew cancer pads at the home of Arlene Esbenshade. The State Farm Women Convention is Jan. 13 and 14.

Berks Society 6

Berks Society 6 held its Christmas party for members, husbands and guests on Dec. 7 at the Yellow House Hotel in Yellow House. The Pagoda Chapter of the Sweet Adelines provided the entertainment.

Members also met on Dec. 17 in the Limekiln home of Mrs. Ruth Hartman to fill stockings for the elderly.

The next meeting will be Jan. 21 at 8 p.m. in the home of Mrs. Naomi Mast, Oley.

Green Valley Society 26

Green Valley Society 26 met at the home of Ruth Hake for the December Christmas meeting. Pat Sechrist was a visitor.

Three delegates and one alternate plan to attend the state convention and six members will attend the banquet.

The January meeting will be held at I-83 Restaurant in York.

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Ida's Notebook

Ida Risser

The beginning of another year! As the saying goes, "Time waits for no one," and how true that is. We all become one year older whether we are ready or not. One of my Christmas presents got me to thinking on this theme.

Two of my children gave me a 35 mm camera as a gift. I was surprised and my thoughts drifted back to the three previous cameras that I've had in my lifetime.

I got my first small box camera when I was 12 years old. Sorry to say, but I begged for it from my aunt. She felt the three dollars that it cost was too expensive and so my Grandfather paid for part of it. Through the next 14 years it recorded the activities of my six sisters and our growing up on the farm.

The next camera was a birthday gift from my boyfriend, who is now my husband. It was an expensive one with a lot of settings and it recorded the children who came into our family. Every year, for 30 years, we recorded our family's growth on Christmas cards. It is a real pleasure to look over them now as the six boys and girls are all grown and living away from home.

Next I bought myself a newer camera to record some of my travels to Europe, the Caribbean and Hawaii. But for some reason I've been disappointed with the pictures and often borrowed one from my daughter to take on trips.

Now, as years have passed, I suppose that I'll be taking pictures with my new camera of our three grandchildren when they come to visit. And, if I'm lucky, there may be more vacations to record for posterity.

Proper pesticide storage can prevent accidents

NEWARK, DE. — In cold weather, pesticide use decreases. But accidental poisonings are still possible as a result of haphazard storage or careless use on the occasional winter pest.

"Improper use or storage of pesticides cause most accidental pesticide poisonings," says Mark Graustein, University of Delaware extension entomologist. The most likely victims of these accidents are children under 5 years old.

By observing simple precautions, pesticide users can prevent many of these accidents. "Use good judgment when purchasing pesticides," Graustein says. "Buy only amounts that can be used within a reasonable time. This eliminates the problem of long-term storage." Graustein adds that some pesticides lose their effectiveness when stored for long periods, while others increase in potency. Expiration dates are often included on product labels.

"Never give a pesticide to a neighbor or friend unless the product is in the original container with the label intact," he warns. Using any other container is illegal and can lead to accidental poisoning.

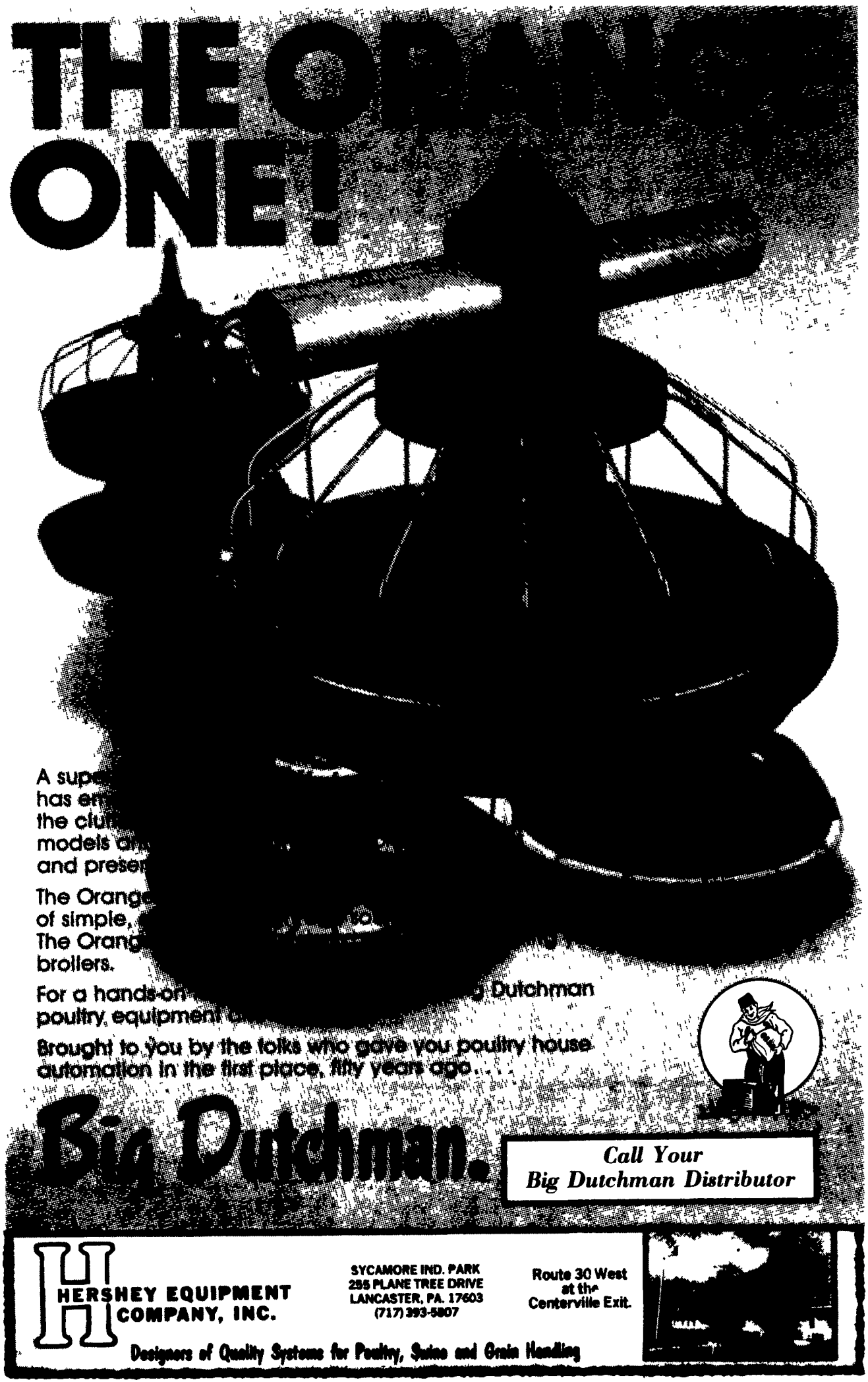
"Mix and measure pesticides in a well lighted, well ventilated area," advises the specialist. Don't leave partially or completely empty containers open or unattended while applying the pesticide. To avoid accidental spills or contamination, and to protect curious children and pets, close and return all containers to the storage area."

The ideal storage site is warm, dry and inaccessible to children, pets and unauthorized adults. It should be locked, particularly if children are nearby. Store food, pet foods and plant materials in a separate area to prevent their contamination by accidental chemical spills, leaks or fumes.

Graustein says freezing reduces the effectiveness of some pesticides. Also, expansion of chemicals due to freezing can crack or break glass containers, resulting in potentially dangerous leaks and spills, Excessively high temperatures (greater than 110 degrees F) can also alter a pesticide and produce dangerous fumes, making the storage area unsafe.

Thoroughly wash pesticide application equipment after each use and store it with the pesticide. Graustein recommends storing herbicides separately from other pesticides. "The fumes from a volatile herbicide can contaminate other chemicals without physical contact," he explains. "Using a herbicide-contaminated fungicide, for example, can destroy desirable plants." Since some herbicides are highly flammable, he advises marking their storage area clearly in case of fire.

Graustein offers this final advice. "Be sure all stored pesticides have complete labels. Check to make sure lids are tightly closed, and put warning signs on the pesticide storage area. The additional protection you'll get is worth the extra time."



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Canola oil: a cash crop for Northeast?

ITHACA, NY – Farmers in New York and other northern states across the country might want to cash in on a potential new oilseed crop that thrives in colder growing climates, according to researchers at Cornell University.

Canola seeds are used to produce a vegetable oil similar to soybean oil, and are already a popular cash crop in Canadian provinces and in parts of northern Europe.

In cooperation with the New York State Department of Agriculture and Markets, Cornell researchers are testing canola for its adaptability to northern states such as New York. The results of those tests will be used to compile a store of information, which will be made available to interested growers through Cornell Cooperative Extension agents.

Cornell's research into the viability of canola seed farming is funded in part by a $6,000 grant from the New York State Department of Agriculture and Markets, which will continue funding that research at a higher level in 1986.

Under the guidance of Cornell researchers, canola seed was successfully grown this year on five farms in New York State.

"We're trying to learn enough about the crop so that we can give sound advice to farmers who are thinking of growing it," says Madison J. Wright, a professor of agronomy in the New York State College of Agriculture and Life Sciences at Cornell. "We're trying to build up the familiarity of farmers and Cooperative Extension agents so they'll know how to grow the crop and market it."

Unlike many crops, canola will thrive in colder growing climates. Canola grown in warmer areas gives lower yields and produces an inferior quality oil.

There are already existing markets for canola oil in Canada and overseas, but "the Canadian market in Ontario is the only one accessible to us."

Canola oil is a popular food and cooking oil in Canada. Much of the canola is grown in Canada's central prairie provinces, but the cost of shipping the canola east to the populous Ontario province opens a market for nearby New York farmers, Wright explains.

As for American markets, the future is uncertain. The use of canola for human consumption was approved by the Food and Drug Administration just one year ago.

Canola plants are actually the result of Canadian plant breeding efforts, Wright says. These plants were developed by eliminating undesirable traits from the seeds of the rapeseed plant.

Rapeseed oil is laden with erucic acid, and the meal from rapeseeds is high in glucosinolates. Erucic acid has caused abnormal growths in the hearts of laboratory animals, and the glucosinolates are unpalatable and are believed to cause goiter.

The canola plants are essentially rapeseed plants that produce no erucic acid and glucosinolates, Wright explains; they differ only chemically.

According to Wright, the future of canola seed as a viable crop in the U.S. depends on the development of American markets, not foreign ones.

"In the short term, we will be able to sell canola to Ontario processing plants until Canadian farmers fill the gap. In the long term, there will have to be a market in the United States if the crop is going to be important," Wright says.

A major stumbling block to the development of an American canola market is that canola oil is similar to soybean oil, which is readily available from the abundant U.S. soybean crop.

"Canola oil is also similar to other well-established vegetable oils, such as corn oil, cottonseed oil, and sunflower oil, among others," Wright adds. "In addition, the meal, which contains about 35 percent protein, competes with soybean meal in the livestock feed market." About 50 percent of the canola seed harvest is used for meal once the seeds have been pressed for oil.

Canadians have progressed with canola production because their climate is too cold for soybeans.

"Canola is not adapted to the warmer parts of the United States. If it is going to be grown at all, it will have to be grown in the northern fringe of states," Wright says. "What we are trying to do at Cornell is to develop a set of facts about the crop so farmers can make informed decisions."

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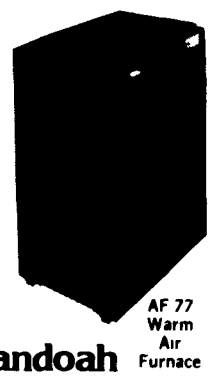

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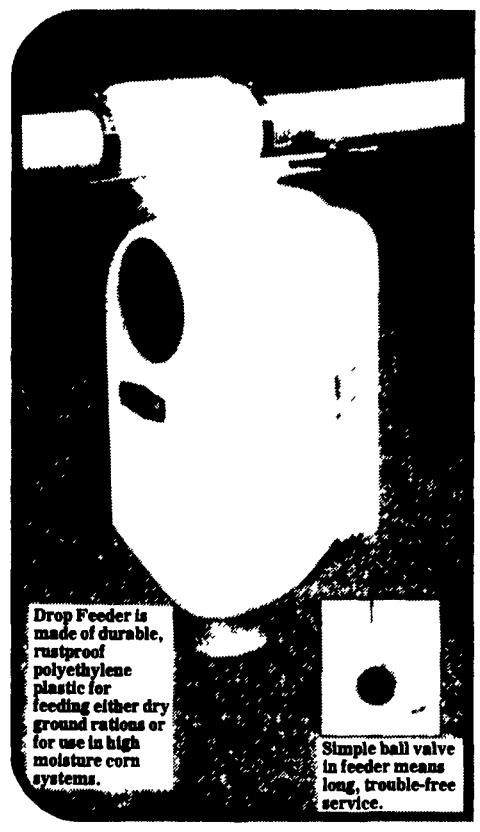
Increase milk production while saving labor, feed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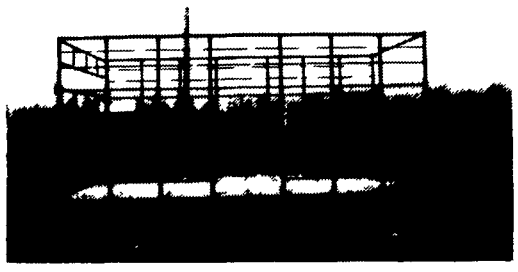

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Hypothermia: a silent killer

MEDIA — Hypothermia is caused by prolonged exposure to the cold, but it doesn't take sub-zero temperatures. Also known as cold exposure, hypothermia is the lowering of the body's inner core temperature to dangerous levels—typically 95°F or below.

While extended exposure to the cold can harm anyone, it is particularly hazardous to the elderly. Nearly half of all hypothermia victims are over 65.

Hypothermia can be prevented. Dressing warmly during the day and while sleeping, eating enough of the proper foods, and staying as active as possible are good ways to maintain body heat. If possible older persons should not be alone for very long or should ask friends or neighbors to look in on them once or twice a day, particularly in severe cold weather. In some communities, telephone check-in or personal visit services are available.

In addition, some diseases and certain drugs can increase susceptibility to hypothermia. Check with your doctor if you are taking medication to treat anxiety, depression, or nausea. Such drugs sometimes influence body temperature regulations.

One of the first signs of hypothermia is uncontrolled shivering, the body's mechanism to create heat. Other symptoms are numbness and drowsiness, staggering, and failing eyesight, all leading to unconsciousness.

The temperature doesn't have to be below zero for hypothermia to set in. Exposure to moisture on chilly days can also lead to hypothermia. Wet clothing is a major factor in accidental hypothermia. Wet clothing can extract heat from the body 240 times faster than dry clothes.

In cold weather, wear several thin layers of clothing, rather than one bulky layer. Several layers retain body heat more effectively. If it is rainy, we stress the importance of a parka or a down coat with a tight, synthetic covering that resists moisture. Cotton clothing in cold, wet weather can quickly become cold, wet clothing. Wool or synthetic materials will resist moisture.

But wet clothing is not the only way body heat is taken away, says Mrs. Dorricott. Human heat naturally radiates from the body—from the head, in particular. An uncovered head can consume up to 75 percent of the body's heat. Body heat is lost through conduction. Touching metal in cold weather draws heat from the body.

The fourth way is evaporation. When you work up a sweat, evaporation takes heat from the body. Simply breathing also allows heat to escape and "convection"—the chilling effect of wind—intensifies the loss of body heat. Proper clothing, food supply, shelter and knowledge, topped with common sense, are the crucial components of a safe venture in the cold.

If you suspect hypothermia, try to reach warm shelter as soon as possible. Drink warm, non-alcoholic beverages and wrap yourself in blankets. If a hypothermia victim is unconscious, but breathing, bring him to a warm shelter and wrap him in blankets; when the victim regain, consciousness and can swallow, give him warm drinks. If the victim is not breathing, give artificial respiration.

Hunters, hikers, backpackers, cross-country skiers, and snowmobilers, should be aware of this hazard. Always inform someone that you are going, and when you plan to return. Have them check to make sure you return safely.

To avoid hypothermia try to be warm and comfortable. Weather can be very unpredictable. Wear layers of clothing that you can adjust to the temperature conditions. A spare windproof parka can be very useful.

Secondly, carry high-energy supplies like peanuts and chocolate. Also remember to take along matches or a lighter in a water-proof container, a candle, plastic tarp, a signal mirror, and first aid kit. If you are going into unfamiliar terrain, a compas and topographic map are a must.

'Basics' for part-timers

UNIVERSITY PARK — There are as many reasons for farming as there are part-time and small farmers in Pennsylvania.

Some families have jobs in town but prefer to live in the country; some grew up on a farm and desire to return; while some nonfarm families desire to farm because of surplus resources, such as land, labor, or buildings. Other families want to produce some of their own food, selling the surplus to pay for other farm operations.

Whether your reason for farming is surplus time (labor), have money to invest, resources, need tax shelter, you probably need help with some early decision-making.

John E. Brockett, Assistant Professor of Agricultural Economics Extension at Penn State, has developed a Correspondence Course to help you make some decisions about farming. The course discusses the pros and cons of part-time farming for individual farm families; land, labor, management, capital, and market requirements; and the advantages and disadvantages of 18 livestock and 18 crop enterprises. Lessons on record keeping, tax considerations, budgeting, and insurance needs are geared to the part-time and small farm business.

You can get your personal copy of the course by sending $9.25, including handling, to PART-TIME FARMING, Dept. 5000, University Park, PA 16802. Make check payable to PENN STATE.

Course on management

UNIVERSITY PARK — Farm Management — written by a Pennsylvania farm management specialist for the nonfarmer, the novice, or as a review for the established farmer — is available now from Penn State.

This eight-lesson course gives options for the use of farm resources — land, labor, capital, and management. It discusses the bases for choosing enterprises for a particular farm, explains enterprise budgets and marginal analyses, and details farm recordkeeping. A valuable lession for the prospective farmer concerning the type of financial arrangements available in acquiring a farm.

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6 Dairy Equipment

The following categories are available for your classified advertising, in Section B Deadline-Wednesday afternoon at 5 of each week's publication
7 - Livestock Equipment
8 - Cattle
9 Horses & Mules
10 Sheep & Goats
11 - Swine
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13 - Hog Equipment & Supplies
14 - Poultry & Supplies
15 - Feed & Seed
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13	3.77	7.54	8.97
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15	4.35	8.70	10.35
16	4.64	9.28	11.04
17	4.93	9.86	11.73
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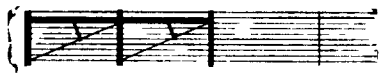

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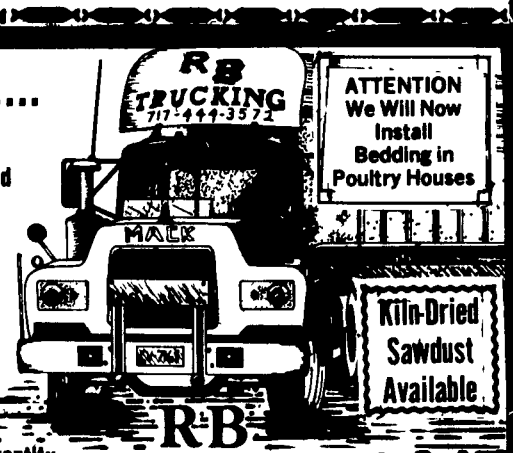

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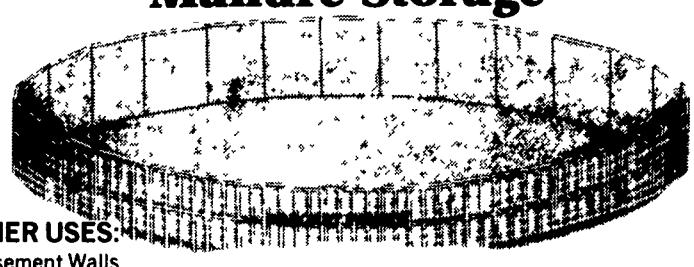

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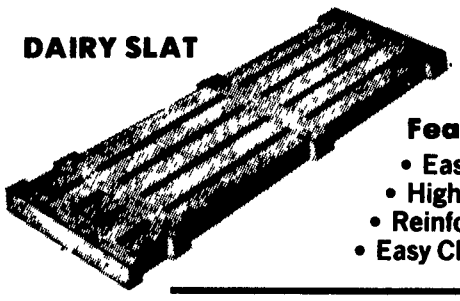

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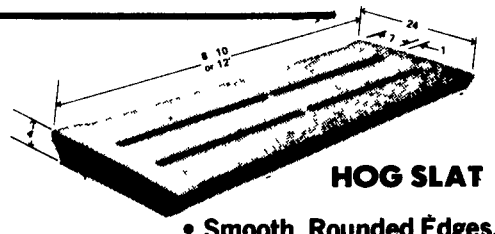

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Boarding heifers: 75 head capacity in Northern Lanc. Co. $1 per head per day. 717-626-2866.

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Angus/Chianina and straight Angus Bulls from Purebred stock. Lebanon Co. 717-838-6783 evenings.

Big Holstein springers, $800; one Jersey springer, $650. 301-833-1847.

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REG. POLLED HEREFORD CATTLE FOR SALE
1985 bull calves ready for spring breeding. Yearling bulls ready to breed your fall calves. Females & heifer calves suitable for junior projects or herd improvement.
R.D. 3, Box 616
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717-569-3416 or
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ATTENTION DAIRYMEN - ALWAYS AVAILABLE
Large selection of high producing registered and grade Holstein first calf heifers and cows
Terms Cash or short term credit Also, our very popular lease plan
All health precautions taken
If you need a new herd additions or replacements call or write
M. BARMANN & SONS, INC.
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ENTIRE DAIRIES BOUGHT & SOLD
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Wanted To Buy
Registered Holstein Heifers, any age.
Write to **Abraham S. King**
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Gordonville, PA 17529
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DOWN COW & HORSE REMOVAL
for dog food
Call Wayne Taylor
717-866-6289 or
215-286-9400
Lebanon, Berks, Lancaster & Chester Co.

9 HORSES AND MULES

FOR SALE: 2 pair Sorrel work horses, 3 & 6 years old, broke, $1,200. 717-656-9548.

For Sale: Scorpian Sting 440 snowmobile; Scorpian whip 440; little whip 340. Or trade for draft horses of equal value. Call 301-239-7799 evenings.

Pair of black mules, 8 and 9 years old, 15 hands tall, worked in nearly all machinery. $950. First farm on left, east of Blue Mt. exit, along Rt. 997. David K. Fisher, Box 419, Newburg, Pa. 17240.

Ponies For Sale. Phone 717-768-8080.

Registered Morgans and Quarterhorses. Ffillys, gelding. Excellent breeding. Mercer Co., 609-737-2135.

FOR SALE
American Saddlebred Horses
Carriage & Buggy Horses

SPECIAL
1 Load of American Saddlebred Horses from Don Boring Stables & Georgia Sale
Will Be Sold At New Holland Sales Stables, Fri., Jan. 10, 1986
Horses Will Be Hitched At Farm
January 2 thru 8 in p m
Farm is located 1 mile north of Bareville on N Hershey Ave
J.Z. NOLT
R.D. 1 Leola, Pa. 17540
717-656-9711

Team of Clydesdale geldings, broke; also several other Clydesdales for sale. Frederick Co., MD. 301-898-9654.

Work Horse, Gray Gelding, 10 yr. old. Needs work. $500. Lanc. Co., 717-354-6602.

10 SHEEP AND GOATS

7 Registered Rambouillet Sheep, 2 Rams, 5 Ewes. K-Moore Breeding. Priced reasonable. Call anytime, 814-847-2854. Bedford Co.

WINTER BLUES: Enjoy handspinning/knitting. Classes forming now. Jan. sale estate grown 2 ply knitting worsted and fleeces. Bred ewes Feb. lambing. Romney/Lincoln/Corriedale/Nat. colored. Home of 1985 National Champion Flock. York Co. 717-229-2202.

11 SWINE

Yorkshire & Hampshire Service Age Boars. 25 Crossbred Bred Gilts. Commercially Priced. Validated Pseudorabies Free Herd. Will Deliver.
John Strawbridge
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REFERENCES FURNISHED
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Yorkshire - Duroc - Large White
Concentrating on health, soundness and productivity.
21 day weights, back fat, days to 230.
Sow productivity program
PRV#42 BD#130
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717-235-3922

FOR SALE: Feeder pigs, 40-50 lbs., 85 cents/ton. 717-733-0575.

FOR SALE: Six white service age boars. Franklin Co. 717-762-2807.

FOR SALE-Yorkshire Service Boars. Elwood E. Houser, 2150 Quentin Rd., Lebanon, PA 17042. 717-272-5798 or 273-2921.

For Sale: Berkshire, Hampshire, Yorkshire Boars. Service Age. Terry Bennecoff. 215-285-6582.

If you have swine to sell or buy - check our swine column. It is read weekly by thousands. 717-394-3047 or 717-626-1164.

Illinois Feeder Pigs. Hugo Feeder Pig Co., Centralia, IL. All pigs vet inspected from psuedo-rabies free herds. Sold on approval, 30-100 lb. Call Collect, Bob Tindall, 513-462-8797.

Notice: 2 Kleen-Lean white line boars; also bred sows and gilts to be sold at New Holland feeder pig sale January 8.

Purebred Yorkshire & Spotted Boars, reasonably priced, delivery available. 717-427-8805

Top Quality Duroc Boars
Service age, excellent Midwest bloodlines, aggressive breeders.
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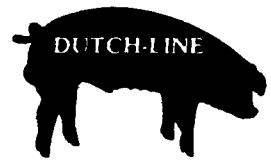

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Large White & Landrace
Dutch-Line White Cross Gilts
Tested boars & gilts: 21-day weights, backfat, loin eye, daily gain & days to 230. Closed herd & validated free. SPF-origins & slaughter checks.
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Home of the Great White Breed
Purebred Landrace and Duroc
& Crossbreeds

Breeding Swine Sale
Saturday, January 25, 1986
1:00 P.M.
"Sale Catalogs Available Upon Request Only"
50 Landrace Bred Gilts Bred to Duroc Boars
50 Landrace Bred Gilts Bred to Landrace Boars
50 Landrace Weanling Gilts 8 to 12 Weeks Old
Landrace Boars Ready For Service
Pseudorabies Free Herd #58, Validated Herd #92. Health Charts on all animals to go anyplace U.S.A. Sale to be held at the farm, rain or shine.
Farm Directions: 20 miles east of Harrisburg, I-81 exit 29E. Go ½ mile south of I-81 on Route 934 or 6 miles north of Annville on Route 934, Harpers, Pa.
Jay D., Janet Blatt and Family
RD 2, Box 691
Annville Pa 17033
Phone: 717-865-4842
Sale Held Rain or Shine
Enclosed Facilities
AUCTIONEER: Harry H. Bachman AU-000-33-L
Ph. 717-867-1809

11 SWINE

ARNOLD HOG FARMS

52 BOARS JANUARY SERVICE
Sired by Superior Performing Tested Boars
(Group Lots)

Next Sale Saturday, February 8, 1986
90 Bred Gilts, 40 Boars, 40 Open Gilts

All Animals Vaccinated for Rhinitis, Erysipelas, Lepto & Parvo. Validated Brucellosis & Pseudorabies Free Herds. Producing Superior Performing Seed Stock For Over 30 Years.

PA FARM SHOW
Bred Gilt Entries To Be Sold Jan. 13 & 14
6 Duroc - 9 Landrace - 13 Yorkshire
Due January 29 thru March 7

Yorkshires - Landrace
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Lebanon, PA 17042
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Womelsdorf, PA 19567
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Brooks End Farm
Par Kay Farm
"Mother Herds" of the Mother Breeds
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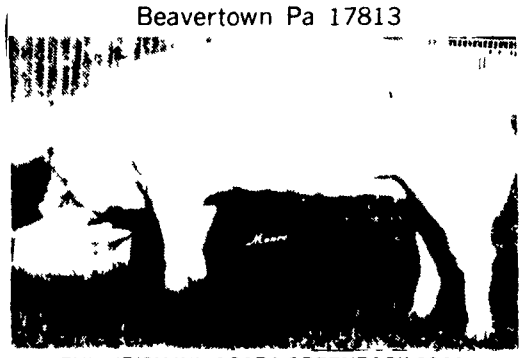

FULL IRISH INNISCARA GREENBACK 3044
This is our kind of mother She is the right kind of mother She is the mother of our $3900 00 top selling bred gilt in our Oct 1978 sale

ANNUAL WINTER SALE

At the farm
FRIDAY, JANUARY 17
1 P.M.
SELLING 200 HEAD
70 BRED GILTS-90 OPEN GILTS
40 SERVICE BOARS
LARGE WHITE-LANDRACE
"THE PIG OF TOMORROW is at OUR PLACE TODAY"

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1984 Boar Test Winners

We won the PA boar test station w/large white boars sired by King David. Top indexing boar (index of 154) sold for $1550. to the NJ Correctional Industry. We had second top indexing pen of Boars at the NY test station w/the high selling boar over all breeds $675. Selling to John Peters, Schuylersville, NY.

We Won again In 1985.

NY test station high indexing and top selling boar sired by Paramount purchased by John Hanson. Berlin, CT, $725.

Delaware Boar Test Station 1985

We had the two high indexing boars sired by Danny (Irish), purchased by Shur-Gain Farm, Maple, Ontario, Canada, $925 and by Gerald Swartley, Waterlook, NY, $850. Our Paramount boar at DE test station sold to Edwards & Edwards, Rich Square, NC, for $975.

These were the three top-selling boars at the DE sale.

YORKSHIRES - LANDRACE - DUROCS

Visit our farms or come to one of our production sales - four each year - Jan , Apr , June and Oct.

Healthy Herds
Pseudorabies & Brucellosis
Certified Free

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Park and Reno Thomas and Mark Stehr,
Beavertown, PA 17813
Phone 717-658-6544-Park
5821-Reno 7007-Mark
Auctioneer, Mike Jones, West Point, GA
978

Chester White, Duroc and Spotted Service Age Boars. James Parlett, R.D.2, Box 176, Airville, Pa. 17302. 717-862-3610

DUROC BOARS and gilts, production tested, certified meat type show winning stock. Bloodlines of the best in the U.S. Par-Kay Farm, Park F. Thomas, Beavertown, PA. 717-658-6544.

Duroc, Yorkshire, Spotted Boars, Open Gilts and Bred Gilts. Calvin Lazarus and Sons, 4290 Bridge Street, Whitehall, PA 18052. 215-799-3375 or 3831.

YORKSHIRE AND LANDRACE boars and gilts of all ages. Pseudorabies negative tested boars for sale at all times. Production tested, certified meat tested. Show winners with many carcass champions. Daily drive-in and drive-out service. Reno H. Thomas, Beavertown, PA 17813. 717-658-5821.

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Boars & Gilts
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Guards
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LEMMON FARM
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13 HOG EQUIPMENT AND SUPPLIES

4x10' hog gang slats for sale. $50 per slat. Call 717-665-6596 for details.

SPECIALIZING IN UP-TO-DATE DESIGN & QUALITY CONSTRUCTION OF HOG CONFINEMENT SYSTEMS.
We also manufacture Confinement Equipment and handle a full line of products for today's swine industry, including automated ventilation, feed handling and manure handling systems.

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Factory-Built Swine Building Farrowing/Nursery Combination
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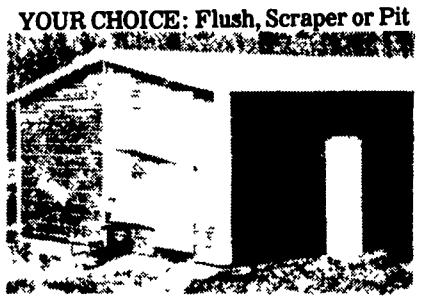
YOUR CHOICE: Flush, Scraper or Pit



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w/Hydraulic Endgate, 350 Bu.
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14 POULTRY AND SUPPLIES

Baby chicks brown and white egg layers, Cornish-Giants, turkeys, ducks, geese, guineas, gamebirds. Case Hatchery, Brodbecks, PA 17329. 717-229-2933 or 235-2050.

Dutchman gas brooders, Keenco feeder water jars, 8' fountains, 15 ton feed bin. Make offer. Montg. Co., 215-256-0731.

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WANTED: Female white mute swan, breeding age. 717-656-6801.

Sell direct to us for cash.
* Fowl
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* Capons
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* Guineas
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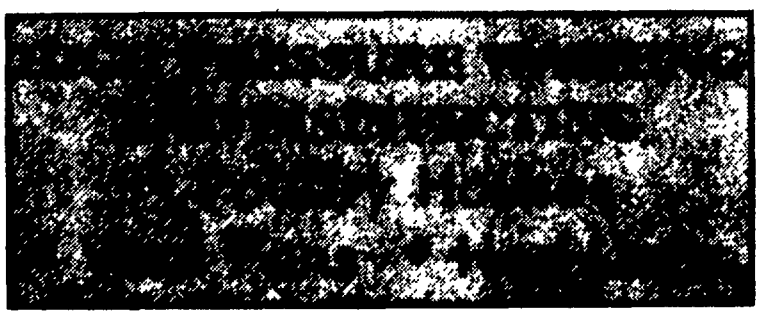

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Spraying Since 1961

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15 FEED AND SEED

32% liquid protein, wholesale/retail from manufacturer. Dealer inquiries invited. Call collect, 301-343-0343.

Alfalfa: 1st, 2nd & 3rd. Mixed 1st. NIR analysis, 800 ton available. Special 1st alfalfa, 18.0 protein, 33.6 ADF. Heidel Hollow Farm, 215-767-1408.

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Lancaster County home grown Pennscott clover seed. PDA tested 99.78% pure, 96% viable seed. $60 January, $65 after February 1 less volume discounts. 717-529-2723.

Lehigh Co ASC Committee acting as agent for Commodity Credit Corp. is accepting bids on 749 bushels of ear corn. Bids will open Jan. 14, 1986, at 10AM at the Lehigh Co. ASCS Office. For more information, call 215-394-4161.

Oats delivered, $1.50 bushel. 717-534-1253.

Bright wheat straw. Stump Acres. York Co. 717-792-3216.

Corn fodder in field. You bale. Make offer. Alfalfa, Timothy, stubble hay in barn. Lebanon Co. 717-933-5370.

Corn Silage For Sale. Can Delivery to your farm. 717-872-4058.

Dry Shelled Sweet Corn, 10+% protein, good feed, $75. per ton. F.O. Mitchell & Bro. Inc., Perryman, MD. 301-272-3638 Day, 301-272-2620 Night.

First cutting orchard grass mulch hay. Southern Chester Co., $30/ton. 215-388-6501.

FOR SALE: 1500 bales 2nd and 3rd cuttings alfalfa, excellent quality, leafy and no rain. 717-463-2842.

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FOR SALE-Oyster shells. Contact Nelson Weaver & Sons, Inc., Lititz, PA 717-626-8538.

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Good quality Ear Corn. Paid at scale.
Eugene Garman
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Top Quality
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Peanut Hulls,
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Bulk - Bagged - Bales
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ProLasse 8%
All Natural Molasses Base Liquid Protein. Make sweet feed with any PTO mixer. Wholesale, retail from manufacturer, dealer inquiries invited. Call collect. 301-343-0343.

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Good germination.
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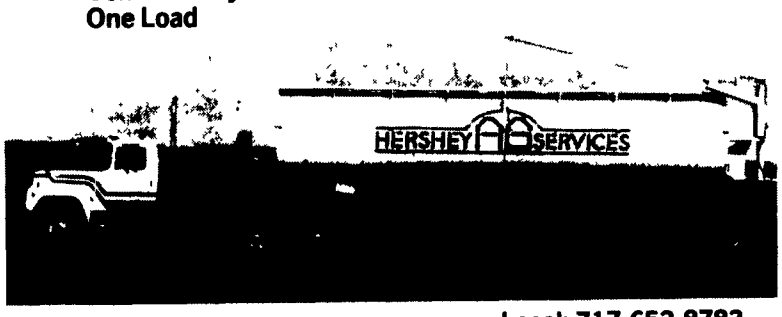

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717-768-8614

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DEALER OF LIVESTOCK
COMPLETE HAULING
24 HOUR DOWN COW SERVICE
R.D. 3, DILLSBURG, PA
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IVAN ZOOK & CO.
GEN. HAULING
Equipment - Hay - Straw
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Soybean roasting on your farm. Dale L. Schnupp, RD 6, Lebanon, PA 17042. 717-865-6611.

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MOBILE ROUTES Now Forming

Features:
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- Hammer Mills
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- "Texture Saver" 2 Ton Mixer
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For Information or if you would like to see a Feed Sample.
LEBANON & W. BERKS CO.
BRANDT'S MILL
Lebanon, PA
(717) 272-6781
LANCASTER CO.
MODERN MILLING CO.
Lititz, PA
(717) 626-8318
or
Feedmobile®
Inc.
(717) 626-2680

22 CUSTOM WORK

Little Boston Manure Hauling will haul wet or dry. Call for details. 215-593-5676

23 HELP WANTED

HERDSPERSON wanted for 275 registered and grade holsteins. Experienced preferred but will train. House available. Position available immediately. Lanc. Co. Lancaster Farming, P.O. Box 366, L-87, Lititz, PA 17543.

Hired person needed on dairy farm, near the Buck, Quarryville area. Call 717-284-3565 after 6 p.m.

Hired person to board with Mennonite family and work on dairy farm. Experience with cows and machinery. 609-358-8443.

Hired person needed on dairy farm, no experience needed. Ephrata RD1, Lancaster Co. 215-267-7261.

Married person to work on steer & crop farm. Must have recent experience operating modern farm equipment & be able to repair & maintain machinery. Modern house & privilege. References required. Chester Co., 215-869-2527.

Maryland horse farm needs manager. Opportunity for couple. Tenant house available. Lancaster Farming, P.O. Box 366, K-90, Lititz, PA 17543.

Need a breeding person for 750 Sow Unit on the Lower Eastern Shore of Maryland. Must enjoy the work ethic. David Allison, Delmarva Farms, P.O. Box 32, Selbyville, DE. 19975. 302-436-5174

Office employee for small farm related Christian business, west of Lancaster. Permanent position, 30 hours minimum per week. Math & typing skills required. 717-392-5722.

Person needed on dairy farm. Experienced preferred. Located near Gap. 717-442-4452.

Person to work on dairy farm, milking and general farm work, house and benefits. Blue Knoll Farms, R.D.4, York, Pa. 17404.

Person to pickup and deliver eggs. Must be 25 years of age or older. Must have class 3 license and experience driving tractor trailers. For more information call between 8 a.m. to 5 p.m. Esbenshade Farms. 717-653-8061

Person with experience milking and general farm work. Husband and wife team preferred. Housing, utilities and good wage. 814-625-2281.

Single person preferred for dairy farm, experience helpful, preferably from Gap, Christiana or Atglen area. Call 215-593-6036

WANTED: Experienced Herdsman for registered Holstein Herd, Southwestern York County. 717-637-7458

WANTED: Family to milk cows, milking parlor, house available. Or will lease herd to qualified persons. 717-865-7268.

Wanted: Family to share in dairy farm operation. Jefferson Co. 814-427-2189 after 8p.m.

Assistant manager: Orchard market, bake shop, fruit sales. Highland Orchards, West Chester, PA. 215-269-3494.

Experienced help wanted to strip tobacco. Lancaster Co. 717-872-5620.

Family Beef and Grain Farm needs all around help including working w/cattle, crops and maintenance. Must be honest and dependable. Good housing and benefits. Eastern Shore of Maryland. Excellent long term position for right person. Call Stoney Duffey. 301-758-1779 after 6 p.m.

Farm Manager Assistant: House with salary in Sussex Co., N.J. for qualified individual experienced in crop farming, machinery repairs & property maintenance. Send resume with references to PO Box 90, Mendham, N.J. 07945.

FREE RENT: Responsible couple needed for work on private farm in Chester Co. Rent free in exchange for farm duties. Must be experienced w/ farm equipment & handling quality show horses & other livestock. Some weekends included. No smoking, no kids, no dogs. Please call 215-644-0776 days.

HEAR US OUT! Texas Refinery Corp. offers an opportunity for high income PLUS cash bonuses and fringe benefits in your area. Regardless of experience, write W.K. Hopkins, Pres., Box 711, Ft. Worth, Tx. 76101.

SALES POSITION OPEN
To travel central Pennsylvania. Representing established wholesale distributor of farm equipment, lawn and garden equipment and hardware lines, calling on dealers of above equipment. Draw against commission, medical and fringes.
Reply To
Lancaster Farming
PO Box 366, R-61
Lititz, PA 17543

The Penn State University Cooperative Extension Service is searching for an Agriculture-Mushroom/Horticulture Agent to organize and implement an informal educational program for mushroom & horticulture industry clientele in Chester County. A minimum BS degree in Plant Pathology Horticulture, or related areas. Automobile & valid drivers license required. Employment application forms available. Chester Co. Extension Service, 235 West Market St., West Chester, Pa. 19382 or call 215-696-3500. Closing date January 31, 1986.

An Equal Opportunity/Affirmative Action Employer.

INSTRUMENT TECHNICIAN APPRENTICE
Quality company needs a good person to learn a varied & interesting trade. The applicant should have a background in Pneumatic or Refrigeration systems. Job includes installation, calibration & repair of pneumatic & electronic instrumentation in dairy & industrial environments. Some travel required. Company truck, tools & training provided. Excellent pay & health insurance included. Those not willing to give 100% need not apply.
KSE Corporation
PO Box 119, Kimberton, Pa. 19442
No phone calls accepted

23 HELP WANTED

Sell Animal Health Supplies
farm to farm.
Must have dairy farm experience and be aggressive. Guaranteed salary plus commission and excellent benefits
Call:
Animal Medic, Inc.
717-266-5611

Farm Equipment Appraisers needed. Are you familiar with Farm Equipment values? If you are, you may be qualified to become a Certified Farm Equipment Appraiser.
Call
208-734-7570
American Society of Farm Equipment Appraisers
P.O. Box 186
Twin Falls, Idaho 83303

SALES AND SERVICE PERSON WANTED
Position available for energetic person to expand sales for feed business. Agricultural background is necessary with any knowledge of veal calves a plus.
Will service PA and MD. Starting salary plus commission on new sales and travel expenses.
Reply Lancaster Farming
P.O. Box 366, R-68
Lititz, PA 17543

SALES REPS NEEDED
in several areas including PA, MD, VA, and Carolina to service dealer accounts and direct sales to users.
If you desire above average income and have a proven sales background, would you be willing to make a total commitment to this sales position?
For more information see
U.S. Agri Systems
at PA Farm Show Booth N-25 in the dairy barn or call
800-222-2948
after Jan. 20.

WRITERS!

Lancaster Farming is looking for some good free-lancers.

We would like to expand our staff of free-lance writers throughout the Northeast and Middle Atlantic regions. We pay excellent rates for top-quality writers.

SEND SEVERAL WRITING SAMPLES AND A RESUME TO

Jim Everhart, Editor
Lancaster Farming
P.O. Box 366 - F.L.
Lititz, PA 17543

Lancaster Farming

24 SITUATIONS WANTED

Fertilizer Company in southeastern PA is interested in hiring a farm oriented person to operate fertilizer application equipment. No experience necessary, excellent salary & benefits.
Call Collect
Moyer & Son Inc.
215-723-6001
Ask for Ken

EXPERIENCED HERDSMAN: Seeks position w/40 to 60 head Holstein herd. Experienced in all phases of herd care as well as herd health and AI. Will consider some field work. Prefer Central Pa area. 717-359-5036

Opportunity to purchase, salvage log houses/farm house flooring. Will travel from Adams County. 9-5, 717-334-5740.

WANTED TO RENT: Dairy barn w/house for herd of cows in Lancaster or Lebanon County. 717-738-1359

Wanted: Young Christian couple needs farrow to finish hog farm to rent w/option to buy. Prefer Leb., Berks, or Lanc. Co. but will consider others. 717-933-8082.

25 BUSINESS OPPORTUNITIES

$5,000 plus a month. No experience needed. Call 717-626-1250 for a recorded message.

26 HOUSEHOLD

COAL & WOOD STOVES (Used)
EFEL Kaminar 420; Garrison I; Pennfield I; Coalbrookdale Hydronic
STOVES (New)
EFEL Kamina T-50% Off; Most Shenandoahs-25% off; Canterbury's-20% off
Wood Heat
Rt. 212, Pleasant Valley, Quakertown, PA. 215-346-7894.

27 PETS

For Sale: AKC Airedale Terrier pups. Ready to go. 518-329-3835

Jack Russell/Fox Terrier mixed puppies, $50 each. 7 Weeks old. 717-362-3402.

4 male, Red Bone Pups, 7 mo. old, wormed & all shots, Registered UKC. Must Sell, Health Reasons. 215-385-3489

AKC Cairn Terrier pups. Real cute. Excellent ratters. Salem Co., NJ. 609-769-0792.

Blue Heeler puppies, Australian stock dogs, born 11/1/85. Excellent family or herd dogs. 717-359-4862.

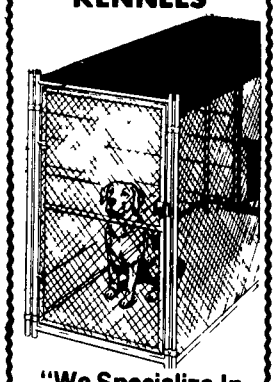
Catahoula stock dogs and puppies for sale. Farm raised, excellent dogs. Call for information, 215-493-4900.

WANTED Puppies For Pets
AKC, Purebred, Mixed Litters.
Stud service for most breeds
Transportation provided
Forest Ridge Kennel
296 S. Vintage Road
Paradise, PA 17562
717-442-4259

Registered Australian Shepherds, reds & merles, have both parents, excellent dogs. 717-258-6389.

WANTED-Puppies, all breeds. Jack's Dog Farm, Rt. 611, Pipersville, PA 18947. 215-766-8802.

CUSTOM BUILT CHAIN LINK KENNELS



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Singles To Large Complexes
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717/354-9760

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Puppies, started dogs, trained dogs. Also, Exhibition work and professional announcing.
717-285-5338
388 Hershey Mill Rd.,
Mountville, Pa. 17554

31 NOTICE

PUBLIC NOTICE - NOTICE TO BUYERS

The Farmers Home Administration has for sale the following property:

One (1) 1981 International Harvester Tractor, 4 wheel drive, Model 3588 2 plus 2, Serial Number U014166. Said tractor has 2002 hours on it.

Sales will be made by sealed bids. Sealed bids will be made on Form FmHA 1955-46 available at the local County Office or by calling (609) 769-1127. Each bidder will execute a form and attach to it a deposit of not less than 5 percent of the bid in the form of cash, cashiers check, postal money order, bank draft, or purchaser's check made payable to FmHA. Third party checks are not acceptable.

Prospective bidders may inspect the tractor at South Jersey Farmers Exchange, located on Route 40, at the railroad tracks in Woodstown, NJ. Hours are Monday-Friday from 7:30 a.m. to 12:00 noon and 1:00 p.m. to 4:30 p.m. and Saturday from 8:00 a.m. to 10:00 a.m.

The sale will be for cash or financing may be offered on both eligible and ineligible terms. Contact the County Office regarding eligible program terms and requirements. Ineligible terms are not less than 10% down with the balance at 11.8750% not to exceed 5 years. Preference will be given to a cash offer that is at least 96 percent of the highest offer requiring credit.

Opening of the bids will be public and will be held at the Salem County Office of FmHA located at 1000 East Route 40, Woodstown, New Jersey on Tuesday, January 21, 1986 at 1:00 p.m.

The Government reserves the right to reject any or all bids. Said property will be sold without regard to race, color, religion, sex, age, national origin, or marital status.

Sealed bids are to be submitted to Kevin P. Murphy, County Supervisor, in an envelope marked "Bid - Tractor Property" no later than Tuesday, January 21, 1986 at 10:30 a.m. Mail bids to Post Office Box 227, Woodstown, NJ 08098.

32 MISCELLANEOUS

For Sale: Commercial quality butcher handsaws. $22.00. Also, blades in stock. UPS shipping. 717-733-0511. Martin's Sharpening, R.#1, Ephrata, PA 17522.

Meat Grinders, Band Saws, Slicers & Tenderizers. New splitting saws, only $249. Gerry Grundy, Doylesburg, Pa. on Rt. 75, 200 yards north of Rt. 274. Open Sat. & Sun. 10 a.m. to 4 p.m., 717-349-7654. Evenings call 215-549-7584.

New York Boiler, wood or coal, almost new, 90,000 BTU, used 3 times, $500. 215-FI2-9350.

Pole Buildings 24'x40' completely erected $3,999.00. Overhead and entrance doors included. Other sizes available. Call CHAPARAL BUILDINGS 1-800-772-0072 Call Anytime.

Used exhaust fans, 36" diameter, double units, w/15 hp 3 phase motors. 717-768-8222 days. 717-687-8053 eves.

Bandsaw Blades made to order. Wood, metal or meat cutting. UPS shipping. 717-733-0511. Martin's Sharpening, R.#1, Ephrata, PA 17522.

Bought and sold new and used cardboard boxes, drums. Pint, Quart & Gallon Containers. Reliable Recyclers, 178 Greenfield Road, Lanc., PA, 17601, 717-397-7695

CASH for your piano or sell on consignment. Call Ken at 717-392-3233.

Electric or air hay saw, cuts wood, meat and hay, multi-purpose, $286 plus COD. Dealers wanted. 412-423-4076.

Electric Yale crane truck K42 SH-6-7-78 maximum capacity, 6,000 lbs. $600. 215-542-7980. 215-646-9057.

FOR SALE: New and used automatic washers, dryers, gas and electric refrigerators, ranges, used wringer-engine washers. Open 7:30 to 4:30; Saturday, 7:30 to 12:00; evenings by appointment. Myers's Washer-Dryer, Rt. 772, between Brownstown and Leola 717-656-7169.

50% Off!! Flashing arrow signs $289!! Lighted, non-arrow, $269 Unlighted $219 Free letters! See locally
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anytime.
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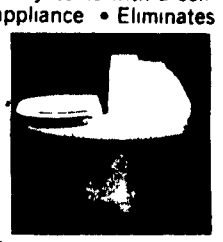
Replaces conventional septic systems with a self-contained bioconversion appliance • Eliminates wastewater discharge • Constructed from rugged stainless steel and non-porous plastic • Features positive venting for odorless operation • Easily maintained • The compact HUMUS 80 occupies only 25"x33" of floor space



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SAVE VALUABLE COWS FROM FALLS ON SLICK CONCRETE

Scabbling has become the most efficient way to end slick concrete problems. Hundreds of farmers have found it both effective and economical.
We have developed the right equipment at the right price with the know-how to back it up.

Now you can rent this equipment and do it yourself or we will contract to do the job for you. Call us collect for more information.

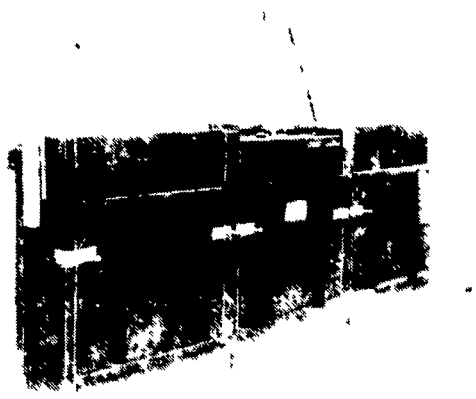
SUBURBAN RENTALS, INC.
Hagerstown, MD Please call us Collect (301) 790-1303

Now serving a 10-state area

32 MISCELLANEOUS

4½'x10' wire mesh sheets, 1"x2" mesh, 14 gauge. $3.00 a sheet. Delivery available. 717-354-5341

MARYLAND TOBACCO



"The Art of Baling Becomes A Reality" over the course of history. Maryland tobacco has found its way to market in a variety of forms. From barrels to burlap sheets, to tied leaves. Now, a new method has been designed which makes packed tobacco more manageable.

A baling box machine can be used which puts up tobacco in 22 inch bales that weigh 75 to 80 lbs. These can easily be stacked or stored.

The basic machine is a three-bin model where tobacco is laid in according to grade. The tobacco is compressed into bales by use of an hydraulic cylinder powered by air. A jack type system can be used for those who may not have electric available. After the bale is compressed, it must be tied with cotton twine.

The use of the three-bin press allows more tabacco to be processed in less time.

For more information and details on these new tobacco press units - Call LANCASTER SILO CO., INC. We have units in stock for sale.

We have cotton tobacco twine in stock.

LANCASTER SILO CO., INC.
2008 Horseshoe Road
Lancaster, Pa. 17601
Ph. 717-299-3721

10½' Pinnacle Deli Case; 12' Produce Case; 8' Frozen Food Case; Remodeling make reasonable offer, all operating. Cedar Valley Grocery. York County. 717-382-4337

185 moving quilts, 72x80, $6 a piece. 215-646-9057.

34 AUTOS

1974 GMC school bus, immaculate. Call 201-735-8389 after 6:30 PM.

'82 Pontiac J2000 station wagon, fully equipped, $2,995; '79 Olds Cutlass gas station wagon, nice car, $1,795; '82, 2DR Chrysler Labarin, 4SP, $2,495; '77 Chevy Chevette, black car, $895; '83 Pontiac J6000 V6 diesel, 36,000 mis., $4,995. Leroy Geesaman, 717-865-4304.

For Sale: '85 Chevy Astro Van, hit in front, as is. 215-683-7943

33 RECREATIONAL VEHICLES

1984 35' Mallard house trailer, never used. Two bedroom, one with queen-size bed, one with three single beds, full bath, pull-out living room with sofabed. Fully furnished, $10,000. 201-782-2293 between 9-5, ask for Bill.

For Sale: Scorpian Sting 440 snowmobile; Scorpian whip 440; little whip 340. Or trade for draft horses of equal value. Call 301-239-7799 evenings.

Deluxe Diamond Snow Plow w/5 position hyd operation complete w/lights, like new, easily made to fit 76 thru 79 Ford F150/and 250 series. $1,000. Paradise, Lanc. Co. 717-768-3072

Diamond Reo Tandem Dump truck. Cummins engine, 13-spd. trans., PS, good condition. $10,000. 215-488-7155, 215-488-7658.

FOR SALE. 1973 Chevrolet 4x4, ¾ ton w/cap, dual tanks and exhaust, 283 engine, runs well, sound body, inspected thru 11/86, $1,500. 717-665-5268.

For Sale: 16' wood Eby Cattle body, excellent condition, side roll door, rear roll door & drop door, $600 201-454-4247.

For Sale: 60,000 lb. construction trailer, air brakes. 717-899-6080

GMC truck w/2,000 gal. farm pickup milk tank, bad motor. 717-532-6257.

Hay truck, IH 2050, 1160 Cat 5+2 trans., PS, 48,000 GVW, 27' bed, 8' over cab, very good condition. 717-353-7171.

NEED CASH? We buy unwanted trucks and parts, scrap aluminum of any kind. Wrecked dumps, vans, flats, tank trailers, etc. Call 215-944-9871.

STORAGE TRAILERS for rent or sale. 301-771-4529.

Tough Chevy Trucks, Cars. Will deliver. Best deal or else. Call 717-394-4219 or 898-0139.

TRAILER, CONSTRUCTION LO-BOY, 18x7 ft. Double axle, 8000# rating. Electric brakes, new $1500. Ph: 215-346-7340

Trailers For Sale: 42x13 trailmobile, 40x13 Great Dane, (2) 40x12.6 Great Dane stainless, (3) 40x12.6 Great Dane insulated, (2) 40' flats, 40' open top. Storage trailers for sale or rent. KEENS 717-626-5420

Trailers Priced For Quick Sale: 5000 gallon tanker, (3) short flat trailers, 40' drop deck, 43' hay trailer, 35' open top, (2) 35' storage vans. Also (2) '48 154 Brockway Tractors, Maxon 2000 lift endgate, 751 Arctic Traveler Electric Reefer, (3) Themo King Diesel Reefers, Complete wetline kit. KEENS 717-626-5420

35 TRUCKS AND TRAILERS

For Sale: 18' gooseneck flatbed trailer, $750. 717-354-5341

USED OMAHA STANDARD
20 FT. GRAIN BODY
with 40" Wood Sides
(Platform & Sides Only - No Hoist)
Good Condition
$1,500.00

FARMERSVILLE EQUIPMENT INC.
Ephrata, PA 17522
(717) 354-4271

TRACTOR: '79 White Road Commander - $14,000 149" W B , 205,000 original miles, F-290 Veh. I D 2TRCPG8026631, trans Rt 9509A, mileage

TRAILER: '76 Dorsey, $6,000 Model - Liteguard, Lg - 42' - swing doors, super 5100 Thermo-King NWD 30

Package Price - $19,500

Call **Paul Konhaug**
Mechanicsburg, PA
717-766-2704

FOR SALE. 1971 Chevrolet C30 w/10' flatbed, 350 V8, 4SP, new tires, excellent condition. 717-739-2247.

FOR SALE: '65 Int. truck (21,000 GVW), dump bed and hydraulics, 5x2 trans., rear axle, and other miscellaneous parts. 717-684-3579.

For Sale: 1976 Chevy 4x4, ¾ ton pickup, rebuilt engine, rebuilt H D auto. trans , needs body work, not inspected, farm plate. $1,200. Huntingdon Co. 814-684-1204

C60 Chevy Truck, stake body w/electric tailgate, 5 spd., good tires. Best Offer. Berks County. 215-488-6156

1964 F600 Ford Tank truck, 1000 gal. capacity. 4 Compartments. Good working condition. Priced to sell. North'd Co 717 758-6221 after 6 p.m.

1966 Ford single axle tractor, Cummins diesel w/wet line, runs well, new tires, $2,750. 717-836-5927.

4 WHEEL DRIVE
9.9% APR Financing
To Qualified Buyer

1984 FORD F250, 2 tone paint, long bed, 8 cyl., PS, PB, locking hubs, 12,000 orig. one owner miles.

1984 FORD BRONCO XLT, 8 cyl., 4 SP overdrive, PS, PB, cruise control, stereo cass[SOLD]tains' chair, Goodyear Wra[SOLD]ers on white spoked wheels.

1984 CHEVROLET SUBURBANS Choice of 2. Red/Silver, Brown/Tan Both fully equipped and exceptionally maintained by previous owner.

1984 FORD F150, 8 cyl , 4 SP Trans , 8 cyl. engine, 2 tone [SOLD] silver paint w/red interior, [SOLD]plate running board and step bumper, lock out hubs, only 32,000 mis.

1984 CHEVROLET C10 Scottsdale, chrome bed, royal blue paint w/light blue interior, stereo, 8 cyl., 4 SP, cargo rails, white spoked wheels w/raised letter tires.

1984 FORD F150 XLT, short bed, brown and tan 2 tone, 8 cyl., auto., running board, dual tank, 33x12.5 radial white letter tires on chrome wheels w/locking hub, chrome roll bar and light complete this unique package.

1983 JEEP WAGONEERS. Two to choose from. 1 limited and 1 standard, both 8 cyl., auto., and loaded w/equipment in exceptional cond.

1982 FORD F250 all white, 8 cyl., auto, PS, PB, rear step bumper, lockout hubs, extra nice, snow or work ready

1981 FORD F350, 8 cyl. auto., PS, PB, 2 tone red & white, running board, stereo, step bumper, 9.50x16.5LT snow tires, must see

1979 FORD BRONCO, RANGER XLT, maroon w/accent stripe, 8 cyl., auto., PS, PB, stereo w/cassette, bucket seats, white spoked wheels, exceptional.

1979 DODGE 150 Power Wagon w/Prospector Package, Brown w/contrasting saddle interior, 8 cyl., auto., PS, PB, air conditioning, cabover camper cap, trailer package equipped.

1979 JEEP CJ5, 6 cyl , 4 SP, new soft top, PS, PB, Myers 7' snow plow, new clutch, reconditioned to highest standards.

GMC SIERRA CLASSIC 15, 2 tone paint, silver over black, short bed, grey bucket seats w/console, stereo, 8 cyl , PS, PB, new 10/15 LC snows on chrome spoked wheels.

1978 JEEP WAGONEER, red paint w/black vinyl interior, 8 cyl , auto, PS, PB, air, stereo, exceptionally rust free car.

1978 CHEVROLET SUBURBAN maroon 8 cyl., auto., PS, PB, air, reconditioned to our high standards, also choice of '78 GMC

1977 CHEVROLET BLAZER K5, 2 tone burnt orange and white, 8 cyl., auto., PS, PB, bucket seats, white spoked wheels and raised letter tires

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83 Subaru BRAT 4x4, 4 Cyl , T-Top, Real Sharp
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(2) 78 Ford L-N 8000 Cab & Chassis, Cat 3208 Engine, Diesel, 5 Spd Over 2, A Title, 186" Wheel Base Hard Find
68 International Dump 5 & 2 Speed

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1970 LT 9,000, 14' dump, Cummins Power, 13 Speed, 54,000 GVW, Super Sharp Truck
1980 Chevrolet C-30 Dump, 350, V8, 4 Speed, 10,000 GVW, Power Steering, Brakes
1985 LT 9000 Tractor, 350 Cat., 13 Spd., Alum. Wheels, Loaded, Call For Further Specs & Pricing. Show Piece!
1979 KW, COE, 400 Cummings, Nice Truck
New 1986 Ford Cargo Truck In Stock With Ford Dsl. Engine
1978 LN 7000, 175 Cat., 5+2 Speed, Power Steering, 20 Ft. Van Body
1974 F750, 361, 5+2 Speed, Power Steering, 10 Ft. Dump, 10 Ft. Snow Plow
1980 R686 ST Mac Tractor, 300 HP, 5 Speed Trans.
1979 LN 9000 Tractor, 230 Cummings, 10 Speed, PS
1978 C7000, 175 Cat, 5+2, PS, 24' van body.
1985 Fiesta Mini Home with roof air.
1978 Chevrolet, 22' Coachman motor home, 34,310 miles with awning.
1979 Mercury Zephyr Station Waton, V8, AT, PS, PB, Cruise, AM-FM, Cassette, CB, Loaded, $2,795
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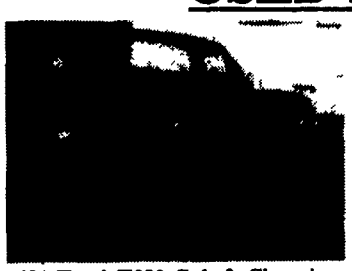
1971 Chevy 12' stake, C40, 4 speed 6 cyl., fair condition, 14,000 gross. Call 215-679-7564

1975 Int. 1700 Loadstar, 26,000 GVW, 5+2 trans., power steering, $2,200. 215-683-7943.

USED TRUCKS



'84 Ford E350 Cab & Chassis, AT, PS, PB, 460 Cu. In., 2 Tanks, 10,250 GVW, Only 69 Miles, Excellent Condition **$8,500**

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LARGE OPERATION: 20,000 birds equals $30,000 yearly income plus you get a 46 acre farm w/remodeled farmhouse & 4 car garage w/workshop above & nice tobacco barn. Accurately priced at $195,000. CALL NOW. Location-Elizabethtown, Lanc. Co. Speak to Dick Winey. Century 21, Autrey, Hoffer & Zink. 717-367-8508

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$225/month. Barn & outbuildings, 170 acres available to rent also. All with option to buy, very attractive price. Northern Potter Co. Mills area.
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70 plus acres, remodeled 3 BR farmhouse, 45 cow barn and 2 story bank barn, 1,000 gal. tank, 16x60 silo. All in excellent condition. $275,000. Call for appointment
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FARM FOR SALE
107 acres, 8 room log house w/bath, 40x80 round roof barn, recently built hog finishing barn, mix mill, grain storage bin & dryer, located on paved road. Lebanon County.
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By qualified Buyer
Gentleman's Farm or Farmette.
30 to 100 acres, old house ok, but must be completely renovated and MODERN. Brokers protected. Berks, Lancaster, Lebanon & York Counties. Please submit to:
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AG TAX SHELTER
Can possibly shelter $100,000 per year Operating dairy farm with tremendous development potential Sewer and water available
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Perry Long
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180 acre dairy farm, 42 stanchions, pipeline milkers, cow barn, brick home, nice set back from road.
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For Sale
Beautiful Cape Cod with 3 bedrooms, 1½ baths on 6 acres with terrific view of the countryside. Very nice horse farm with 24x48 barn. Room for 8 stalls. Located south of Galen Hall Country Club.
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12 acres, two 3 BR trailers w/some outbuildings. Located near Newmanstown. Less than ½ mi. to Wildlife Management, "Project 70." Reduced to $51,500. Financing Available.
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310 Acre Farm, mostly tillable, 3 to 5 years, $9,500 a year.
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36 REAL ESTATE

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200 Acre producing farm. Located along Rt. 210 ½ mile road frontage, approx. 100 acres tillable, balance hardwood timber & pastures. Fenced with 5 strand wire, never failing spring water. Good Colonial style home with 7 rooms & bath, natural gas furnace, free gas for heating & spring water. A well maintained barn w/running water from pump or spring. Set up for Heifers, Beef or Sheep but could easily be converted back to dairy cattle. Large underground crop storage building, heifer shed, cement block springhouse. Located on black top highway w/school bus, milk trucks, etc. past door.

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HANDYMAN SPECIAL, 2 Sty home located on Rte. 287 in Wellsboro. Owner has started to tear out and remodel, some rewiring done. Could be two apts. or commercial prop. $12,900. W-1041.

BLACKWELL AREA, APPROX. 310 ACRES. House, barn, shop & wood shed. 225 wooded acres. Small pond. Lots of road frontage. Home has 4 bedrooms, bath, kit. Din/rm. elect. heat, woodstove in basement. $335,000. W-1053.

RUSTIC LOG HOME in the heart of Canyon Country. Walk to Pine Creek, 2-3 bdrms, fmly rm. w/fireplace 2 baths, and full basement. Rexford area $44,900. W-1049.

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6 Acre Farmette, 5 BR home, recently remodeled, nice barn, possibility of 7 bldg lots

CUMBERLAND COUNTY
97 acre dairy farm, plus 200 head hog fattening barn Price $140,000

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Buy these 2 neighboring hog farms and work them together, 80 sow hog operation on 30 acres and 700 fattening operation on 67 acres

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COMPLETE FARM IN SMALL VILLAGE: 377 acre farm has neat appearance, 250 acres tillable Barn has new 2" pipeline, Patz cleaner, new extension for 30 heifers Home has 4 bedrooms, 2 baths, and is in fine shape INCLUDES 40 milkers 16 YS, 3 tractors & all machinery for rock bottom $176,000 or $115,000 bare CALL WIMPLE'S SLOANSVILLE OFFICE 518-875-6355

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WELL ESTABLISHED FARM WITH AIR STRIP: This 136 acre farm has been a successful sheep operation for the past 20 years, has 62 acres tillable and 35 woods Landing strip with hangar Good hip roof barn could also be used for beef Home has been well maintained, has 4 bedrooms, 1½ baths, 3-car garage, pool ONLY $67,000 For appt call, 607-792-3355 or WIMPLE'S SLOANSVILLE OFFICE 518-875-6355

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30 Acre Farm with spring, stream, wood land and farming land. Ideal for horse farm.

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LANCASTER COUNTY

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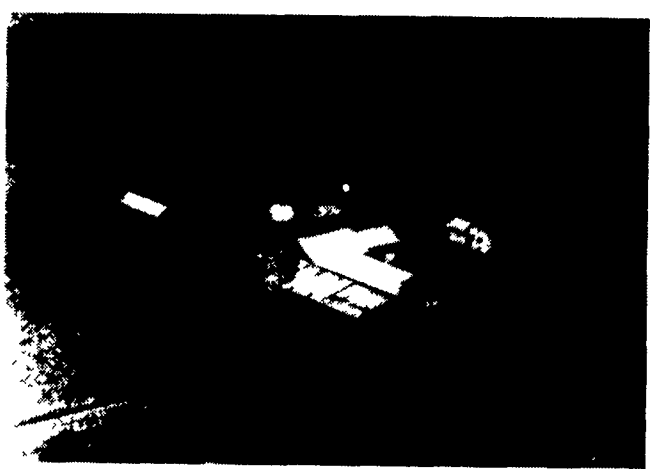

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2-4 PM

Farmette consisting of Ranch style home with 3 or 4 bedrooms, 1½ baths, 2 car garage.

2 acres with a 40x60 barn, ideal for horses. Has approx. 40 assorted fruit trees around the house.

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100 acre dairy limestone soil 9 stall milking barn DeLaval glass pipeline milkers Mueller tank lounge area for cattle trench silo road frontage NO DWELLING Shippensburg area

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186 acre general farm, 150 acres crop land mostly level to rolling productive murrill & duffield soil large bank barn wire cribs metal grain storage w/fan silo DWELLING is in need of repair Frontage along SOLD Breeches Creek & approximately 8 000 feet along 2 township roads Located SW of Carlisle

137 acre dairy 52 stalls w/pipeline milkers bulk tank silo heifer barn limestone soil road frontage 4 BR dwelling 58 additional acres avail

82 acre beef and hog farm, Murrill soil all tillable one floor bank barn implement storage 4 BR dwelling w attached garage road frontage excellent building potential

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Located N E of Shiloh, approx 67 acres tillable, two story 3 bedroom home, 50'x66' pole barn insulated

42 ACRES

Located N E of Shelby on Miller Rd 36 acres tillable, balance wooded area, 2 bedroom two story brick home, wagon shed & crib, barn burned

145 ACRES

Located on Amoy East Rd Northwest of Mansfield Very good bank barn 40'x96' with 70' concrete apron arranged for hogs or cattle Small farrowing house, machinery shed, 3 bedroom 2 story home, approx 10 acres native timber balance tillable

160 ACRES

Located on Dinninger Road N W Shelby, 123 acres tillable, two story 4 bedroom home, 30'x90' hog feeding bldg with 20' concrete apron This is also a very good farm

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CENTRAL PA FARM LISTINGS

CENTRE COUNTY

DAIRY FARM - 122 acres (97 tillable, 22 pasture, 3 site and roads), mostly Hagerstown ground, sound 2½ story house, bank barn with 34 tie stalls, 96-stall free-stall barn, pipeline milker, 1,250 gallon bulk tank, 20'x60' and 14'x40' silos with unloaders, 20'x40' Harvestore (under lease). Priced at $182,500 Also available with an additional 95-acres for a total of 217 acres (130 tillable, 47 pasture, 36 woodland, 4 site and roads) and a second barn, 3 additional implement sheds and 1 silo for a total price of $247,500. Near Stormstown.

DAIRY FARM - 179 acres (141 tillable, 17 pasture, 19 woods, 2 site), mostly Hagerstown, Murrill and Nolin soils; 2½ story stone and frame house; large bank barn with 60 tie stalls; pipeline milker; 800 gallon bulk tank; gutter cleaner, 20'x50' and 16' and 50' concrete stave silos, 20'x35' concrete stave sealed silo with bottom unloader. Near Nittany. $265,000. Additional 65 acres (61 tillable) also available

GENERAL FARM - 143 acres (28 tillable, 40 pasture, 73 woodland), excellent remodeled 2½-story home, bank barn, enclosed steel implement shed, and other sound outbuildings 18 miles from State College Additional land available $189,500

GENERAL FARM - 184 acres (20 open, balance woodland), sound 2-story house, several pole-type implement sheds, hay storage shed, other outbuildings Secluded setting, easy access, good hunting 8 miles from State College $123,500

LAND - 104 acres (80 clear of which 50 are tillable, balance wooded), 2 3 miles of stream frontage, magnificent view, excellent hunting Suitable for organic farming (no chemical applications for 15 years) $72,000

FARMETTE - 10 acres with large stone house built in 1800's, large barn, small stream Near Centre Hall $99,500

RECREATIONAL OR FISH FARM - 137 acres (62 tillable, balanced pasture and woodland), 3 large ponds, large recreational building, 2-story house (fair condition), 3 large ponds, large recreational building, 2 story house (fair condition) 2 trailers, secluded setting Near Spring Mills $149,500 Ideal for fish farming

FARMETTE - 22 acres (15 tillable, balance pasture,) very nice, 2½-story brick house, sound bank barn, garage, small stream, nice area Near Potters Mills $99,500

DAIRY FARM - 131 acres (109 tillable, balance pasture and site) 2 story log house with aluminum siding, bank barn with 33 comfort stalls, pipeline milker, milk house with bulk tank, 18'x60' and 12'x45' silos, good outbuildings, nice setting Near Millheim $249,000 Owner Financing

GENERAL FARM - 155 acres (117 tillable, 32 woodland, balance site, roads and stream), sound 2-story house, bank barn, 32'x344' 1-story poultry building, outbuildings, excellent producing ground, small stream $212,500

COLUMBIA COUNTY

HOG AND BEEF FARM - 233 acres (130 productive tillable, 19 pasture, 79 woodland) Excellent house, good barn adapted for farrowing and finishing hogs, outbuildings, nice setting $275,000 10% **Owner Financing.**

HUNTINGDON COUNTY

DAIRY FARM - 338 acres (202 tillable, 56 pasture and lowland, 78 woodland), sound 2-story brick house, bank barn with 37 tie stalls, free stall barn with 51 stalls and bunk feeder, 20'x60' and 20'x50' silos, 15'x40' Grain o matic silo for high moisture corn, farm shop, heifer barn, 2 implement sheds, stream frontage pipeline and bulk tank, silo unloaders, gutter cleaner Very well maintained $375,000 OWNER FINANCING

LIMITED ACREAGE DAIRY FARM - 35 acres (17 tillable 5 pasture balance woodland), 1½-story house, bank barn with 25 tie stalls, milk house with bulk tank, new free stall barn with 30 stalls and bunk feeder 14'x60' and 10 x50 silos, garage, implement shed, wire corn crib stream frontage $75,000

BEEF OR SHEEP FARM - 306 acres (approximately 140 tillable, 117 pasture, 47 woodland, 2 site), 1-story brick home, 2 barns, garage, 2 silos, 2 large implement sheds, excellent water supply, 3 ponds $259,500 Additional land available

DAIRY OR GENERAL FARM - 66 acres (55 tillable, balance pasture and site) sound 2 story aluminum sided house, bank barn with 43 tie stalls, new gutter cleaner, milkhouse, new 40'x40' implement shed, 14 x60' Lancaster silo pond swimming pool $115,000 Also available with 129 acres (70 tillable 53 pasture) $140,000

RIVER BOTTOM LAND - 55 acres (45 6 tillable), frontage on old Route 22 substantial Juniata River frontage Ideal for truck crops and roadside marketing OWNER FINANCING $99,500

LYCOMING COUNTY

DAIRY FARM - 106 acres (87 tillable, 10 pasture, 9 woodland & site), Very nice 2½ story house, 2 story bank barn, mod 1 story dairy barn w/52 tie stalls, gutter cleaner, pipeline milker, milk house w/600 gal bulk tank, 20'x60' ribstone silo w/unloader, bunk feeder and 2 very good pole buildings Near Cogan Station Reduced to $189,500

LIVESTOCK OR DAIRY FARM - Near Lairdsville, 270 acres (165 level, very highly productive tillable) Good 2 story house, bank barn, 60'x120' cattle barn, suitable for freestalls, 20'x60' Harvestore, 2 streams **Owner financing.** $325,000

RIVER BOTTOM FARM - 93 acres (71 tillable), excellent stone and frame house sound implement shed, workshop building, large bank barn with 25 stanchions, 3,500 bushel grain bin, substantial Susquehanna River frontage, Class I land 10% **OWNER FINANCING.** Muncy area $250,000

RIVER BOTTOM LAND - 41 acres (38 tillable) with road frontage on Pa Route 405 This is a portion of the farm listed above 10% OWNER FINANCING $82,500

NORTHUMBERLAND COUNTY

FARMETTE OR LIMITED ACREAGE DAIRY FARM - 27 9 acres (19 tillable balance pasture), sound 2 story home, good 1½-story Cape Cod home bank barn with 35 stalls implement shed Near Milton $99,500 Also available as a 22 acre unit with 1½ story house for $65,000

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95 acres m/l Super farmhouse in Excellent condition 2 full baths 4 bedrooms large family room with stone fireplace roof 4 yrs old new heating system 85 pretty country kitchen and dining room Large stocked pond oversize two car garage and shop bank barn and corrall Perfect Gentleman's Farm Offered at $180 000

LEBANON COUNTY

158 acre m/l farm in Lebanon County presently set up as a layer operation 3 bedroom brick farmhouse with slate roof woodburner bank barn with slate roof 400 ft poultry building set up for 48 000 birds equip approx 5 yrs old Building could be converted to hog operation auto ventilation liquid manure system pit scrapers etc 3 wells 2x21 ton feed bins more call Slim for info offered at $250 000

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50 acres m/l of the prettiest hunting hiking and camping ground you ll ever want to see Located in southern Sch County just west of Friedensburg Mostly hardwood and good thick deer cover it is a genuine pleasure just to walk thru the trails of this lush green forest located top of the mountain Private and secluded Will not last at only $25,000

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13 9 acres of land part cleared part wooded in one of the prettiest sections of the county located just outside of Orwigsburg Substantial blacktop road frontage Must be seen Offered at $37 500 Excellent areas Call today

BARNESVILLE

40 acres some tillable blacktop road frontage nice piece of property Offered at $68 000

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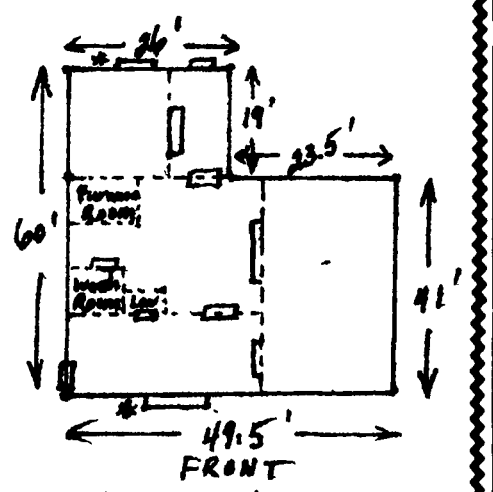
MODERN MULTI-PURPOSE BUILDING FOR SALE

(Formerly Used as a Butcher Shop)

Located near Dry Run, Franklin County, Pennsylvania (approximately 8 miles from Willow Hill Interchange of the Pennsylvania Turnpike).



A 6.46-acre tract of land with 540 feet of frontage and easy access to the Pennsylvania Turnpike via Route 75. This 6.46-acre tract of land is improved with a 50'x60' modern building (floor plan diagramed above), a 4-bedroom frame dwelling, 2 hog finishing houses (40'x80' and 40'x60'), various other out-buildings, 2 wells, a 2,500-bushel Circle bin, a 10,000-bushel Reed bin, an 18-ton Broch bin, a 12-ton Broch bin, a 10-ton Broch bin, four 16-ton Circle bins and a bucket elevator.

PRICE REDUCED - ASKING $75,000 - CONSIDERING ALL OFFERS!

Will sell bins and/or the 50'x60' modern building separately.

Must see this property to appreciate it.

For additional information, contact *Valley Bank and Trust Company, P.O. Box 459, Chambersburg, PA 17201,* Attention: Mike John or call (717) 263-2265, extension 323 or 254.

NEW YEAR'S SPECIALS

A REAL BUY, 214 acres, 170 tillable, mostly flat well drained land, good alfalfa farm, 2 story 48 cow barn, machinery barn, 3 BR home. Ill health forces sale. $78,000. Large financing available

GOOD FAMILY FARM, 200 acres, 120 tillable, 2 story 54 cow barn, pipeline, 735 gal. bulk tank, heifer barn and machinery storage, good 4 BR home, $135,000 A good dairy for young cattle available

Posson Realty
Norwich, NY
607-334-9727

DAIRY FARM
202 Acres

Cumberland County - Walnut Bottom (near Carlisle)

185 tillable acres level, rock free, fertile soil - two story barn with 65 - 75 milk cow capacity. 16x30 heifer barn, 40x80 loafing barn, 2 silos (20x60 & 24x70) with unloaders, 5 bay implement shed, pipeline milker, milk house with 800 gal. bulk tank, new 400 amp service, automatic bunk feeders (100' long), 2 ponds and good well. Dairy market available. Extensive hard road frontage bisects farm. Two dwellings - beautiful 12 room two story and modern 9 room rancher. Unusually attractive terms available. $410,000. Call Gale Bear at 717-258-6821 or write to 19 N. Baltimore Street, Dillsburg, Pa. 17019

Vernon E. Anderson
Real Estate
717-432-9745

FARMS

NEAR PLEASANT GAP, Centre Co 120 Acre level, all tillable modern dairy & beef farm Hagerstown soil, high fertility, macadem road frontage, 2 dwellings 55x162 free stall dairy barn w/attached 10 stall milking parlor 40x90 Bank barn w/automated bunk feeders, corrals & holding area 3 Concrete stave silos, large corn crib, block machine sheds & storage buildings Asking $175,000 seller financing available Call Miles Clevenstine, 717-383-2755

124 ACRE DAIRY FARM - 7 mi east of Bellefonte 106 acres tillable, level to moderate slope 1600 sq ft 4 bedroom ranch dwelling, 2 story bank barn with 40x40 attached loafing shed, 16x55 Corlstone silo with unloader, 30 dairy stalls, pipeline Nine acres marketable oak timberland Present use dairy, adaptable for other uses, high fertility soil Asking $165,000 Miles Clevenstine 717 383 2755

RECREATIONAL LAND

86 ACRES Fronting Blue Ball Rd , Centre Co Includes 3 BRs, 12x60 furnished mobile home in excellent condition, with elec TV cable & well Excellent hunting area Asking $69 000 Call Miles Clevenstine 717-383-2755

360 ACRES ½ mile plus of road frontage excellent hunting area with roaring run flowing through Some marketable hard & soft woods Located in Centre Co Asking $149,400 Call Miles Clevenstine 717-383-2755

209 ACRES - Snow Shoe Area Private mountain land level to moderately steep with Beech Creek flowing through Good hunting area Financing available Asking $66,300 Call Miles Clevenstine 717 383 2755

100 ACRES - near Milesburg Centre County Wooded Asking $40 000

400 ACRES - Buy your own valley just minutes from State College Outstanding hunting the perfect spot to build a cabin for those Penn State football weekends Asking $210 000 Call Dick Evelhoch 814 234-1150

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State College, PA
814-234-1150

Do You Really Want To Sell Your Farm or Land?
Contact:
VanCleve Real Estate
717-392-3032

Southern Huntingdon Co.
Dairy farm 175 acres w/150 acres tillable, large barn w/44 stanchions, 2 nice homes, stream & good spring on property Many other extras $285,000

Colonial Real Estate Agency
814-447-5511

HAYS CREEK FARM
Fine 245 acre livestock farm in charming rural community 80 acres of rich cropland 165 acres of improved pasture farmstead and woods Large two story frame home in excellent condition Complete livestock facilities include barn silo working pens scales and auxiliary buildings Abundant water from bold creek stream and springs Long road frontage Beautiful terrain and views
$350 000

FREE CATALOG OF COUNTRY PLACES

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Perry Co Two farms totaling 316 acres with 66 cow tie barn free stalls lagoon lots of implement and young stock facilities 2 beautiful dwelling and super fertile limestone soil spring possession Call Sandy 717 569 4264

32 Stanchion 140 acre dairy in Blaine area with brick house silo implement shed spring possession Owner will finance with easy terms Call today don t miss this one! Call Sandy 717 569 4264

Bradford Co 106 acre modern dairy 59 stanchions 4 silos large YS area FHA assumable mortgage if you qualify at low interest Call John Bomberger 717 649 5861

Blair Co Large 200 acre grain & beef farm 400+ acres available of low rent super modern house 30 000 bushel grain facility Call John Bomberger 717 649 5861

Snyder Co 399 acre dairy 2 sets of buildings silos pond modern dwelling lots of implement storage in Middleburg area Leroy Hibbs 717 837 0265

Lebanon Co Poultry and general farm w super modern home in ground pool Call Ken Young 717 426 1098

106 acre free stall w modern milking parlor Harvestore Slurry modern house and lots of other buildings A super buy Owners open to offer Call Ken Young 717 426 1098

"We Serve Your Farm Needs"

Call

LANCASTER COUNTY CALL KEN YOUNG 717 426-1098 OR SANDY LEAMAN 717 569-4264
SNYDER & UNION CO CALL LEROY HIBBS AT 717 837-0265
NORTHUMBERLAND LYCOMING MONTOUR COUNTIES CALL JOHN BOMBERGER 717 649 5861
DAUPHIN COUNTY CALL PAT KAUFFMAN 717 896 8958
BRADFORD COUNTY CALL BARBARA LA MONT 717 297 2619

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new pennsylvania realty, inc.
717-386-5000

BERKS COUNTY FARMS
Excellent dairy w/60 stalls, pipeline, bulk tank, 3 silos. Don't Miss This Opportunity. This is a good working farm. Priced to Sell.

HOGS
Farrow to finishing w/112 acres, all in one continuous tract w/approx. 5,000' of road frontage, excellent location; Myerstown area. Must Be Sold.

CALL CARL JOHNSON - 215-367-6160

FARMS FOR SALE

* **New Listing - Lycoming Co.**, 88 Acre Dairy
* **New Listing - Berks Co.** near Oley 109 Acre Dairy Farm
* **Chester Co. S. of Oxford 39 acre** (Former) dairy
* **60 Acre Modern Dairy,** Lebanon Co
* **Chester Co. Farmette.**
* **90 Acres Lancaster Co.**
* **New Listing - Cumberland Co** 120 A Dairy near Shippensburg

Call James Marsh about the above properties
717-529-2678

* **209 Acres in Perry Co**
* **178 Acre Dairy, Perry Co**
* **100 Acre Woodland, Perry Co.**

Call Marlin Kreider about the above properties
717-627-8244

GENERAL FARM

* **101 Acre Dairy, Cumberland Co**
* **New Listing - Cumberland Co** 60 A General Farm
* **Over 250 Acre Dairy Farm** Located NE of Hershey
* **188 Acre General Farm,** 2 mls E of Shippensburg
* **120 Acre Dairy, Union Co.**
* **4 Acre Industrial** Just off new Rt 222 near the turnpike
* **3 Acres Commercial** on Rt 501 near Rt 76 in Bethel
* **New Listing** - 1+ Acres commercial north of Ephrata long Rte 322
* **New Listing - 162 Acre Dairy in Franklin County**

Other farms in many counties available.

CHRISTIAN M. MOSEMANN
Real Estate Broker
734 Main St., Akron, PA 17501
Phone: 717-859-1004
24 Hour Service
James L. Marsh, 717-529-2678
Marlin Kreider, 717-627-8244

FOR SALE OR LEASE
Established Agriculture Business
Located in the heart of Morrison Cove, two miles south of Martinsburg, Penn. Consisting of 1.6 acres of ground, which includes 3 warehouses and a garage of a total of 19,000 sq. ft.

Fertilizer Equipment Available. Plus Other Equipment.

Excellent Location and Facilities.

Call For Other Possible Arrangements
Phone 814-793-2118

Steuben County, New York - Modern dairy farm, 380 acres, 300 tillable. Free stall barn for 100 head. 53 stanchions, attached heifer barn. Three concrete silos with bunk feeder. Up to date milk house, universal pipeline. Tool shed and heated shop. Grain dryer with 2-4000 bu. bins. Newer 4 bedroom ranch house, wood & electric heat. Sugar bush only 4 miles to milk plant Owner will finance $310,000

207 Acre Dairy Farm Older barn with 21 stanchions and an attached free stall barn with 64 stalls & bunk feeder. One concrete silo and two bunker silos. Grain set up with Steiner roller mixer. Milking equipment, 4 years old. (Dari Kool Heat exchanger) Clear Span 39x40 shop 4 bedroom farmhouse, wood heat, newer kitchen. A real nice starter farm with excellent alfalfa ground. Only $247,500.

Horse or Beef Farm 217 acres, 170 tillable. Two barns, 4 bedroom house, 2 baths. Small fruit orchard, mostly secluded to grasses Pasture fenced with 5 strand wire 3 Miles from mall & 5 miles from airport. 20 minutes to Cornell College. Only $160,000.

Potato Farm 367 total acres, 236 tillable. Potato cold storage, 5,000 bushel grain drying setup, two 5,000 bushel bins, six bedroom house. Land has been tested and found nematode free. Owner terms at 11%, only $295,000.

Open Land 98 Acres, small pole barn, lots of water, perfect for sheep or beef. Only $2,000.

FOR MORE INFORMATION ABOUT THESE AND ANY OF OUR OTHER FARM LISTINGS, PLEASE CALL ONE OF OUR QUALIFIED FARM EXPERTS TODAY.

Century 21
THE LANE AGENCY
Rt. 54, Box 181-A
Bath, NY 14810
(607) 776-7682

Paul M. Longacre Farm and Country Acres

BERKS CO.
• 140 Acre Farm features lovely 2½ story stone home, modern kitchen, dining room, living room, center hall, 4 large bedrooms & bath, large bank barn, 2 large machinery sheds, small horse barn, large storage bins, gently rolling land with pond & stream, $460,000

76 Acres General Farm 2½ story brick farmhouse, needs work, 2 story bank barn, double corn crib, large stream, private setting, $150,000

SCHUYLKILL COUNTY
• 234 acre woodland tract, joins state gamelands, borders Rt 81 & secondary road, Pine Grove area, good hunting area, call for details, $175,000

OTHER FARMS AVAILABLE
Please Call and Tell Us Your Preference

PAUL M. LONGACRE
Rt. 100 Hereford, PA 18056
Ph: 215-679-5919

MONTGOMERY COUNTY
• 82 acres, 65 till, balance woodland & pasture w/stream general farm, 2½ story 5 bedrm house/LR DR, Kitchen & bath bank barn & other buildings, ~~$250,000~~ $235 000

TIOGA COUNTY
• 410 Acre, 220 tillable Dairy Farm with lovely 2 story home features good 46 stall dairy barn, pipeline, bulk tank barn cleaner 2nd house, new 45x72 machine shed, shop & heifer barn, 18x60 and 12x35 silos, pond, stream good ground, $325,000 Cattle & machinery available

• 800 Acre Dairy Farm 400 T 2 very good, lovely homes 83 stall dairy barn Steel pipe line, 1000 gal tank and barn cleaner (2) 16x60 and (1) 14x40 silos with unloaders Large heifer barn $365 000 Full line of machinery and cattle available

• 122 Acre, 100 T dairy farm, 47 tie stalls with 24 free stalls, 800 gallon tank, barn cleaner, pipeline milker, 20x60 concrete silo with unloader, good house with kitchen, dining room, 2 living rooms, 3 bedrooms and bath $110,000

• 126 Acre farm, 70 T, 45 pasture, balance wood land Land only Near above farm $65 000

SNYDER COUNTY
• 186 acre dairy farm, 100 T, features modern 60 free stall barn w/milking parlor, 2 story heifer barn, and large machinery shed 20x60 and 20x70 Harvestore silos, lovely 2 story home with 3 bedrooms, kitchen, large living room/dining room, laundry and bath $210,000 Also full line of machinery available

POTTER COUNTY
• 116 Acre, hunting ground 30 acres open balance wooded borders 2 roads & river Possible Owner financing $50 000

BRADFORD COUNTY
• 110 Acre dairy farm 80 tillable 35 stall dairy barn with dump station barn cleaner 400 gal tank 18x55 silo and 14x60 silo with unloaders and 14x32 silo heifer barn and out buildings Large home with 5 bedrooms kitchen dining room living room, laundry and 2 baths $150,000 Also cattle and machinery available under separate contract

• 5 acre Dairy Farm Modern 74 stall dairy barn Bulk tank steel pipe line, barn cleaner 20x32 Harvestore silo and 20x60 concrete silo Manure storage Modern Ranch home with 4BR's, Kit , DR, LR, Bath and Den $145,000 Also second house available

SUSQUEHANNA COUNTY
• 265 Acre modern dairy farm w/2 houses, 115 comfort stall dairy barn with pipeline milker, 2 large bulk tanks, barn cleaner, 3 large concrete silos, large free stall heifer & dry cow facility & large machinery shed, calf barn, lovely split level home features modern kit , formal DR, LR, family room, laundry, 2 baths, 4 BRs Large in-ground heated pool 2nd 2 story home, modern kit , DR, LR, family room, 3 BRs, 1½ baths Also, large new trailer 200 Head of dairy cattle, modern line of machinery including several large tractors All for $600,000

• 565 Acre dairy farm Features 145 stall barn, heifer barn, large machinery shed, 2½ story house with kitchen, dining room, living room, office, family room, laundry 3 bedrooms 1½ baths 2nd House Modern 3 bedroom with kitchen dining room, living room and bath Apartment with modern kitchen living room dining room, 3 bedrooms, 1½ baths 3rd House New 2 bedroom, kitchen, living room and bath $750,000

Due to a very successful year, I need a salesperson for Franklin, Juniata and Snyder Co. Also Northumberland Co. & surrounding counties.

Southern Northumberland Co.

Modern 200 Sow farrow to finish, Harvestore, 100 acres, 2 homes, plus 17 acre apple & peach orchard 4-12 yrs. of age. $329,000. Owner financing — Low Low Down — at 10% interest. Call Peter.

95 acres, 75 tillable, no home, $1,550/acre. Lease option, No down. Call Peter.

44 acre farm, 25 tillable, 2 homes - barn. $89,000 Rent w/option to buy. Call Peter.

150 acres, 115 tillable, Harvestores, feed lot for 200 steers. $169,000. Call Peter

Upper Dauphin Co.-Lykens Valley

100 acres, dairy barn, new tobacco barn, 85 tillable, nice level land, 3 to 4 bedroom home, excellent owner financing, 9% interest Low Down $179,000 Call Peter.

90 acres, 85 nice level tillable, 3 bedroom home, barn $175,000. Owner financing. Call Ralph.

PETER B. CORTELYOU
Real Estate Herndon, PA 17830
Peter B. Cortelyou, Broker 717-758-9177
Ralph Deibler, Salesman 717-692-2587

SECLUSION & PRIVACY

Berks Co. Gentlemen farm, 115 acres, 55 tillable, balance woodland & pasture. Log house with 3 bedrooms, horse barn. ¼ mile lane with bridge over stream. Ideal for retreat or executive style estate with some work. Priced $[illegible]

Manheim Twp., Lanc. Co. 3 Unit farmhouse on 1 acre zone R-2. Three extra available acres with barn.

9 SECLUDED ACRES
PRICED IN THE $60's
2½ Story home with oil heat, barn & tobacco shed. Reduced Price. In River Hills. Lancaster Co.

GOING DAIRY FARM OPERATION
UNDER $1800 PER ACRE, 95 acres total, 13 acres pasture, 5 acres woods. Easy rolling topo., spring fed pond, stream. Bulk tank, 3 bay implement shed, comfortable 2 story 3 bedroom home, 1½ baths Oil and/or woodstove heat. Only 10 minutes to Chambersburg.

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MAILBOX MARKET
FOR SALE

FOR SALE

1986 C30 Chev. w/Hostetler live stock body, new, 115 mls., 11,000 gross, radio, heater. Lyc. Co. 717-398-0477.

Apple firewood for $55 cord. Also, delicious Cortland, Northern Spy and Stayman apples at low prices. Columbia Co. 717-672-2638.

New and used overhead doors, 8x7 and 9x7, 16x7, some large. Ben R. Beiler, Box 322, Kirkwood, PA 17536. Lanc. Co.

1978 SRX 440 snowmobile L/C low mileage, excellent cond., $950. Also 2 sled trailer, $350. 717-235-1700.

'80 Dodge Ram 4 cyl. pickup, good condition, no rust. Must Sell. Asking $2,500 Neg. Northumberland Co. 717-286-8650.

AC B tractor, elec. start, foot brakes, good condition, $1,350. Columbia Co. 717-784-0114.

'82 AQHA Classy Sorrel filly, Star, sock, Linebred Skipper W! Price Reduced! Will trade for Pal. filly. York Co. 717-235-6966 eves.

Bred guilts due soon and service age boars Levi F Stoltzfoos, RD3 Box 128, Mt Pleasant Rd, Quarryville, PA 17566. Lanc. Co.

H-D5 AC loader crawler, Asking $2,800 or BO. Must Sell. Cumb Co. 717-243-0246.

IH 370 disc, excellent condition, $2,200; MF 10 tooth chisel plow, excellent condition, $1,100. Berks Co. 215-488-6315.

Antique brass & iron bed; Coverlet dated 1836. Merve Schwartz, RD1, Box 1100, Jonestown, PA 17038. Leb. Co. 717-865-5967.

5HP AC elec. motor, 1730 RPM single phase thermally protected 1 1/8" shaft w/double 6½" cast iron pulley, 5/8" groove, excellent. Lanc. Co. 717-665-4329.

Singer sewing machine trettle or motor Zig Zag blind stitch, good cond., $45. Lanc. Co. 215-445-4144.

Alfalfa mixed nice hay, $100 ton at barn. Hauling Avail. York Co. 717-244-1017 after 5.

White Embden geese, 2 female and 1 male. Mated Laying 50 eggs each a year. Gentle, Quiet, $30. Berks. 215-987-6098.

Massy Harris clipper combine, good condition, used last year. Spare parts available. $200. Berks Co. 215-286-9718.

1971 mobile home, 12x60, 2BR, new carpet. Must be moved, $4,200. Columbia Co. 717-356-7666 after 7PM.

Hitzer large wood & coal stove w/jacket in good condition, $300 Christian Miller, R3, Box 377-B, S. Vintage Rd., Quarryville, PA 17566.

100 large round bales of mixed hay. 717-374-4018.

One 8 yr. old Belgian mare, broke single & double, $450. Lanc. Co. 717-665-6546.

IH 584 tractor in like new condition. Best Offer over $8,200. Lanc. Co. 717-733-4583.

Brady 5' chopper, Gyrostar 16' tedder, 20 JD disc, NH 456 mower, NH rake. Kirkwood Repair, Box 89, PA 17536.

D4 Cat 7J w/or without forward & reverse PTO; IH T340 loader, PTO available. Bedford Co. 814-766-2785.

JD Cyclone A parts; NI side rake, new, teeth excel 1, $650. Malta 8' transport disc, $250. Montg Co 215-679-7763.

Colostrum, (fresh cow milk). 717-393-0930.

Black Standardbred horse, 3 yrs., over 17H. Samuel E King, 202 Shrinor Rd, Leola, PA 17540.

1978 Dodge 1 ton, no bed, $2,100. Condition fair to good. 717-653-1260.

1974 GMC school bus, immaculate. 201-735-8389 after 6:30PM.

IH Steel wheel side delivery rake. Sch. Co., 717-345-4498.

Snow plow w/heavy front bumper, manual hyd. Removed from '50 Chev. pickup Will trade for org. bumper. Chester Co., 215-274-8326.

JD 3 sec. spring tooth harrow, 10' new slides, good cond., $325. Lanc. Co., 717-354-6712.

Driving horse, $450 Choice of two, work single and double. 3 hp air compressor, $375. John Martin, R1, Denver, Pa. 17517. Lanc. Co.

Mulch hay 30-40 tons, priced to sell. Leon Knepper, Berlin, Pa. RD1. 814-267-5248.

Good used Clay barn cleaner unit with 2 hp motor, $700. Cox snowmobile trailer w/spare tire, jack, $350. Berks, 717-933-8869.

Gibson electric stove, 30", white, smooth Corningware top, glass window in self-cleaning oven, excellent condition. Moving. 717-865-2589, Lebanon Co.

Must sell. IH truck, 4x4, 1910A, 47,000 miles. 35,000 GVW. Will sell with or without 1200 gallon field sprayer. 215-536-2023. Bucks Co.

Meyers 8' snow plow, hyd. lift, excellent for farm tractor, $800 firm. Balto. Co., 301-592-8891.

JD 450B LGP loader 30" tracks, new pins and bushings and grouser bars. 717-548-2291, Lancaster Co. evenings.

PEAFOWL: (Peacocks). Young, few adults. Blue, Black Shouldered, Pied, White. Two 5-tier brooders @ $35.00. R. Burger, Newark, Del. 302-994-0508.

Hol. steers for sale. NI corn picker. Cecil Co., MD, 301-287-8957.

Herd reduction: Several well bred T.B. broodmares in foal to good stallion. Also, racing prospects. 703-451-1995 days, 703-569-6119 eves. Middleburg, VA.

1980 Articat snowmobile, $1175. JD 12' disharrow, $675. NI 12A manure spreader, used very little, $975. NH 56 rake, $975. 717-354-0266.

40,000 BTU Coleman bottled gas vented space heater, good condition. Lancaster Co., 717-354-5640 after 5 p.m.

Farmall M wide front pulley, $900. Cub tractor w/matt mower, $2,000. WD tractor, $700. Bucks Co., 598-7546.

Alfalfa Hay, dark, fair to good. Good cattle hay, approx. 400 bales. $1.00/bale at barn. York Co., 717-432-9056.

LanCo home grown Pennscott clover seed. PDA tested 99.78% pure, 96% viable seed. $60. January, $65 after Feb. 1. 717-529-2723.

1978 Yamaha ET 250, 1 owner, kept in garage. $500. Lancaster Co., call evenings, 717-665-5113.

23' Birch built-in kitchen cabinets. All appliances included. Available beginning of February. Must see to appreciate. Dauphin. 717-944-9155.

1975 Dodge Max, 15 pass. window van, 318 engine, $1,000. Also 11'16" JD transport disk, asking $625. Sch. Co. 717-739-2864. No Sunday Calls.

Registered Simmental polled bulls. Ready to go. $575. and up. York Co., 717-225-6279.

20 Leghorn Pullets. 20 wks. old. $3 each. Sears 100 egg still air incubator. 717-786-7078.

1979 Chevy Scottsdale 10 truck, auto., power steering, tape player, AM-FM radio, $4,500. Lanc. Co. 717-872-2579

Very nice alfalfa grass hay, all cuttings, no rain, clip this ad for later reference. Lancaster Co. near Georgetown. 717-786-3300

6 yr. old Saddlebred horse, traffic safe, sound, needs driving. Eli B. Stoltzfus, 4th farm north of White Horse crossroad. Lanc. Co.

Kitchen stove, good working condition, coal/gas combination, 4 burners plus oven, $375. or Best Offer. 215-589-5693

Case 530 triple range tractor, PS, cultivator, wgts, hyd. attach., live PTO, 1,397 hrs., $3,395. OBO. Lehigh Co. 215-965-2622

12'x24' Agstar building, good condition, reasonable; (4) 5'x7' pieces of tenderfoot, like new; AKC German Shepherd female, good watchdog. Lanc. Co. 717-665-7765

5 Steel rounded hay racks for horses. 1-1004 propane gas tank, $10. Chester Co., Mornings call 215-948-5769.

JD 2020 tractor. L-445 New Holland loader. 717-354-7922.

16 h.p. JD lawn tractor. Adams Co. 717-334-5671

Saab Ems: Immaculate 1980 w/31,500 miles, fuel injection, 5 spd., sun roof, carmin red burgundy, $7,325. Shippensburg. 717-532-6790

(2) 10 hole Smidley hog feeders, $55. each or both $100. Northumberland Co. 717-425-2194

Registered Nubian dairy goat kids. Send S.A.S.E. for sales list. Breezy Timbers, 20325 Kirkwood Shop Rd., Whitehall, MD. 21161. 301-343-0026

AC D19 gas tractor, WFE, 3 ph, very good condition, $3,450.; 13.6x28" tire & wheel for WD AC. Dauphin Co. 717-692-3616

JD #8 3 pt. mower; JD 4636 inch wheel; IH log skidder pusher blade. Make Offer. Schuylkill Co. 717-345-4664

10" hammer mill, 4 screens & bagger. Berks Co. 215-777-0069 after 5 p.m.

3'x6' cold frames. Best Offer. 215-828-4953

12A NI manure spreader, $250. Berks Co. Call before 10 a.m. mornings or anytime weekends. 717-933-5307

Complete Surge Mini Orbit milker and dual pulsator w/square nipple. Lanc. Co. 717-872-8960

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Subscribers to Lancaster Farming will receive one advertisement FREE each month in our Mail Box Market. Subscribers using the Mail Box Market will be governed by the following rules:

Limit your advertisement to 20 words; area code must be added to phone number and, due to repeated requests, please include your county for buyer and seller convenience, all advertisements must be mailed to the office by Monday or same will be held over for next week's paper; no business ads accepted

Include your Lancaster Farming mailing label and mail to
Mail Box Market
Lancaster Farming
P O Box 366
Lititz, PA 17543

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Quietly Professional

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- WALL MODEL
- OPERATES FROM 12 VOLT RE-CHARGEABLE BATTERY
- OVER VOLTAGE INPUT PROTECTION
- Up to 550 hrs per charge on a 55 Amp/HR Battery, 900 hrs per charge on 90 Amp/HR Battery
- EFFICIENT Ideal for Electrified Sheep Netting and Boundary Fences
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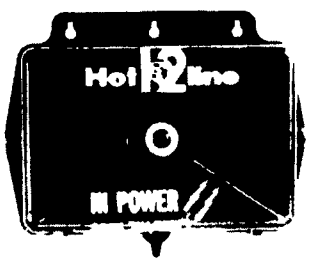
- ALSO 110 V PLUG-IN MODELS



- ALL-WEATHER (NON-RUST) VERY STRONG POLYCARBONATE CASE
- COVERED BY GUARANTEE
- REPLACEABLE PRINTED CIRCUIT
- CONSTANT PULSE RATE
- NOW WITH TWO OUTPUTS - HIGH AND LOW
- POWER OUTLET - OPENLINE 6000v
- TESTED TO 500 ohm LOAD (HEAVY LEAKAGE) OUTPUT STILL OVER 4000v
- COMPETITIVELY PRICED
- LOCAL SERVICE
- DEALER INQUIRIES INVITED

Distributed By

HOOVER DIESEL SERVICE
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(717) 656-3322 or (717) 295-1729

MAILBOX MARKET
FOR SALE

Wood hot water furnace, $150. or best offer. Could also be used as shop heater. 215-845-2827.

Used kitchen ranges and room heaters. Burn wood or coal. Wm. S. Martin, RD1, Box 387, New Holland, Pa. 17557.

M.D. riding cultivator, good cond. $75. Can truck 4 JD 18" plow bottoms, $15 each. York Co., 717-235-2032.

Warm Morning coal stove, model 400B, like new, $550. 215-445-4464, Lancaster Co., Pa.

Ingersol Rand Mobilair IKA 210 for parts. Bristol Black raspberry plants, $15/100. Lancaster Co., 215-445-4092.

Mixed hay, no rain, no mold, 100 big bales, $1/bale. Lancaster Co., 215-267-2706.

Female German short-haired pointer. Field trained, $50. Puppies free; mixed pointer/walker; healthy; 9 weeks. Perry Co., 717-834-4573.

Waste oil furnace, electric fuel pump, 1977 IHC truck tractor, PS. Jake Break. Lebanon Co., 717-273-6018.

Lamborghini C653L crawler, 65 hp, 800 hrs. with loader, 4 bot. plow, moved on smaller farm. Union Co., 717-922-1292.

AKC Miniature Collie pups born Nov. 15. Approx. 150 bales of oat straw. Lebanon Co., 717-865-2894.

1981 model Int. 986 red stripe tractor, cab, air, diff-lock, dual hyd., latest hyd. system, low hours. York Co., 717-993-6146.

PTO cement mixer, $250. Pony sulky, $150. 8' turf aerator, $350. 100 hp 3-phase motor, $800. 1 Ton scale, $450. Dauphin Co., 717-286-5306.

5 Ton bulk fertilizer tender w/gas engine, also 2 dry fertilizer boxes for White 5100 planter. Mifflin Co., 717-935-2292.

1979 Malibu wagon, new tires, good breaks & air shocks, 88,000 mi. needs other motor, $1200. 8x10 Dump truck. Mifflin Co., 717-899-6121.

#310 OMC Mustang skid loader w/40" Sauder bucket, like new, 100 hrs., $4500./best offer. Lancaster Co., 717-392-7287.

Bin wagon, like new. Woods rotary beater, 7'. '73 6-cyl. Dart Swinger. York Co. 717-235-1985.

1st cutting Timothy hay. Luzerne Co., 717-788-3092 after 5 p.m.

60 Gal. range boiler, with horizontal stand, $85. Lanc. Co., John A. Stoltzfus, 2936 Church Rd., Bird-in-Hand, Pa. 17505.

JD 640 Parallel rake, Glenco 3-point 7 tooth chisel plow. Both like new. Lanc. Co., 717-626-5532.

12" planter jointer combination. Benj. Kauffman, Star Route, Spring Glen, Pa. 17978, Dauphin Co.

NH 311 engine baler, like new; 6 yr. old Chestnut Saddlebred horse, needs driving. Christian Beiler, South Weavertown Rd., Ronks, Pa. 17572.

Iron butcher kettle, $55.; 25 gal. fish aquarium w/metal stand, all in very good condition, $75 Cumb. Co. 717-243-5301

GM Frigidaire 40" double oven range, deep well and broiler pen, $250. Clock ok, recent model. Lanc. Co. 717-354-0328

Hesston 10W stake mover w/auxillary wheels, $550., Holsteins close springers, $700. Franklin Co. 717-263-5702

113 acre farm about 75 acres, nice farming land, running water, 40x104 barn, 2 silos, 39 stanchions, milkhouse, 7 room house w/1½ bath. Amos Zook R.D.1, Box 249, Meyersdale, Pa. 15552.

5 yr. old carriage horse; 500 bu. oats. Also 25' steel chimney. Lancaster Co. 717-354-5039

IH model 70 hydro, WFE, good condition; Reg. Guernsey milk cows, production & health tested. Adams Co. 717-359-4383

McCormick 1020 running, has cracked block. Also Farmall F12, good. Both on rubber, $400. each. Franklin Co. 717-532-4223

1974 Ford C-700 truck, 20' flatbed body, 900/20 tires, 5SP, exc. cond., $4,800. Will sell separately. Bridgeton, NJ. 609-451-6057.

AKC Cairn Terrier pups, like Toto in the Wizard of OZ. Good ratters. Salem Co., NJ. 609-769-0792.

JD H tractor, 1940 Model w/2R cultivators, excellent tractor for restoration. Schuylkill Co. 717-345-4117.

100 Locust posts, 7' long, $150. Myers 3½HP water pump, gas operated, like new, $125. Chester, 215-932-9323.

Briggs & Stratton, Tecumseh, Kohler, Clinton parts. Large inventory. Cheap. Can Deliver. Cumb. Co. 717-776-5237.

50 ton of hay; also 3 cuttings alfalfa, 20 ton ear corn. Sch. Co. Eves. after 6, 717-345-4489.

Caterpillar D2 straight blade w/snow extensions, rear hydraulic, PTO, belt pully & cab, Case 1150 loader, bucket/teeth, recent track work. Chester Co. 215-269-3494.

25' Bush Hog disc harrow, good condition, $3,800. 717-866-4280.

'77 Plymouth Volare black, 4DR, 63,000 mis., good condition, $1,100 or Best Offer. Berks Co. 717-933-4684.

Used 30 gal. Shop Air Compressor, 220V, 1½HP motor, new 2 cylinder pump, auto pressure switch, $400. Harford Co., MD. 301-838-6980.

8 & 10', 2x4's at 15 cents a foot. Also wanted, corn silage. Paul M. Hoover, RD1, Box 363B, Black Creek Rd., East Earl, PA 17519.

For Sale or Lease: Yearling bull sired by 15H341 Stewart. Dam: 20,000 4% Elevation, nice udder. $575 delivered. 717-687-8893.

JD 440 liquid cooled snowmobile, 1 owner, low mileage. 717-733-4516.

New manure spreader web, 25' long, 46½" wide, new Oliver shins, cover boards and brackets. Lanc. Co. 717-859-2374.

Fourth cutting alfalfa hay, no rain, $65/ton, approx 10 tons. Lanc. Co. 717-665-7284.

Two springing grade Holstein heifers due Jan. and Feb. Lanc. Co. Aaron Zook, RD1, Box 216-M, White Oak Rd., Strasburg, PA 17579.

Sheep guard dog, Kuvasz, 2 yrs., large, white male, with sheep 100% of time, $400. Ulster, NY, 914-626-3860.

1948 J. Wizzer Bikes; 191 Briggs & Stratton buckboard; 1951 Pontiac Sdn.; Antique gas engines & garden tractors. Leb. Co. 717-866-2654

A shed, 12x16, $900. Samuel L. Stoltzfus, 67 Roberts Rd., Nottingham, Pa. 16362.

New Winco generator w/Lister diesel, 4000 watts, 115/230 volts, $2,000. Also 7200 double throw switch. 717-665-5760

(2) Yorkshire boars, breeding age, $150. Lanc. Co. 717-626-6169

1,500 bale barley straw, $80. per ton or Best Reasonable Offer. Leb Co. 717-949-3077

Norwegian Elkhound AKC male pups, champion bloodlines, excellent temperament. 717-733-4640.

White Mountain ice cream freezers, old hand crank type, most size; Columbian Vise, m.size, good condition. Lanc. Co. 215-267-7049

Multihoe backhoe, detroit diesel, Allison trans., 1½ yd. bucket, 11' lift, cab lights, good cond. $5,800. Dau. Co. 717-545-2086 eves.

Farmall H, $825.; 212 PTO spreader, $325.; 540 IH 4-16" plow w/2 or 3 pt. hitch, $800. Berks Co 215-286-5422

60 acre Berks County poultry farm, 35,000 layer house, horse barn, farm house, mobile home, stream and more. 215-562-7776

1973 GMC model 6500 truck, chassis & cab or truck, lift, steel body, air brakes, PS. Lanc. Co. 717-872-5525

Warm morning stove, model 400-A w/fan, $425. Uses coal, creates a lot of heat. After 5:30 p.m. 717-284-2749

Fox Super D diesel chopper, 3 row narrow hay pickup, clean, $7,500. Lanc. Co. 215-445-6838

Pygmy goat kids, 8 weeks old, $40. each; 2 yr. old Pygmy goat buck, $50. Lancaster Co. 717-284-3329

4 yr. old standardbred trotter, traffic safe and sound. $375. Lanc. 717-354-9370

430 acre farm, ample water, building for cattle, hogs, approx. ½ tillable. Best Reasonable Offer. Harry Troyer, Box 68, Rt.2, Norfolk, NY. 13667. 315-384-4904

NH 23 blower A5, I5, $40; good used storm windows, 5-36"x46½", 8-34¾"x79¾", 3-32"x55", $10 ea. 717-354-0680.

MAILBOX MARKET
WANTED

WANTED

Talented person wanted for making blanket chest locks. Also body work welding. 215-777-4579 or write to W. Liebich, RD1, Reading, Pa. 19607.

Used 12x50, 14x40 or 14x50 stave silo. In good condition. 215-944-0636, Berks Co. Harlan B. Snyder, RD4, Box 4255. Fleetwood, Pa. 19522.

Freezer in working order. Daniel Gehman, RD1, Box 404, New Holland, Pa. 17557, Lancaster Co., 717-354-8288.

Front end loader for Case 380 or David Brown 885. Mont. Co., 215-643-0305. Write 403 Madison Ave., Ft. Wash, Pa. 19036.

Wheel weights & front weights for JD 70 tractor. Hunterdon Co., 201-832-2556.

Roof trusses, new or good used; sizes 44', 46' or 48', 4/12 or 5/12 pitch, Berks Co., Fleetwood, 215-944-0370.

Registered or Grade herd of cows for January to March. 717-393-0930.

Case 4 bar side delivery rake, good condition. Lebanon Co. 717-866-5455

Loader for 180 AC. Lancaster Co. 717-354-7497

Rough cut oak planks, need 400 sq. ft. 717-626-7854. Box 21, Lititz, Pa. 17543.

Sale Reports

A Public Auction of farm equipment and trucks was held December 28 by Dan and Mildred Mast, along Covered Bridge Rd., between Yellow House and Pleasantville, Oley Twp., Berks Co., Pa. There were 544 registered buyers at the sale.

Some prices included: Gilmore 28' grain dump trailer $10,000, I.H. #1066 D cab & heater tractor $12,000, N.H. #461 haybine $1400, N.H. #280 baler $1300, fertilizer spreader $3500, I.H. #400 corn planter $2800, I.H. #1250 grinder-mixer $2300, I.H. #656 tractor & loader $5900, Int. #1460 combine $35,000, '74 ow plow to fit AC C Berks Co. 215-682-2049

Chicken coops. Amos D. Lapp, RD2, Box 143, New Holland, Pa. 17557.

Small rear wheel for David Bradley 4-wheel hay rake, model 896 5734. Gloucester Co., N.J. 609-697-4805, Ernie Viehweg

JD wide front for 3020. Also, crawler loader, must be in good condition. Salem Co., N.J. 609-358-3923.

AC D17, prefer Series III. Sch. Co., 717-345-4498.

6" grain auger, 12' to 15' only. Cumb. Co. 717-776-7692

To rent area for duck hunting for '86. Eastern PA, NJ, DEL for father and 2 sons only. Lehigh. 215-432-1754

(2) 1,000 gal. SS bulk milk tanks, nice looking for storage only. Reasonable. No icebank. Sussex Co. 201-948-4854

"Tips" paid for leads eventually allowing me to purchase, salvage old farmhouse flooring. Will travel! Adams Co. Days, 717-334-5740

9/16"x41" round belt for Allied mixer unloading auger. 814-427-5016. R.D.2, Box 237, Punxsutawney, Pa. 15767. Jefferson Co.

Asplundh chippers for restoring, any condition and wooden poles for prunning. Lanc. Co. 717-684-2854 or 717-684-8290

Used 14½' church benches. Also used song books, Church Hymnal. No Sunday Calls. 301-475-2358

Exhaust, intake manifold for V.A. Case. Also accessories. Reasonably priced. Chester Co. 215-383-5337

Pair Brass Ball ornaments for end of cow horn. E.E. Jackson, 336 Waterford Laughlintown Rd., Ligonier, Pa. 15658. Westmd. Co.

Radiator for MH33 or MH44 screen for Gehl Mix-All. 412-547-8204.

Cab with A/C for JD model 45 square back combine, roller mill for small grains. Winchester, VA. 703-877-1047 after 7 p.m.

Honda M Motorcycle model CT125 or CT90. Price low. Lloyd Potter, RR1, Box 420C, Farmingdale, N.J. 07727. 201-938-5534.

Used cab enclosure for 3020 JD tractor. Mifflin Co., 717-935-2292.

MAILBOX MARKET
NOTICE

NOTICE

2 Kleen Leen White Line Boars and Bred Gilts and Sows to be sold at N.H. Feeder Pig Sale. Jan. 8, '86.

Let me know by Jan. 10, 1986 what you want listed in my sale bill. Sale is Feb. 27 & 28, 1986. Beiler, 717-656-9733.

In home business. Make magnetic signe. All equipment, training and some clients incl. York Co. 717-757-1960.

SALE: 01/11/86, 10AM. Building Materials; Anderson windows; interior/exterior doors; paneling; kitchen cabinets. Rt 272, Bayview, MD, at Lee's Machine Shop.

Brockway tractor Conv. w/sleeper $7800, 1968 Int. 1800 Twin Screw Gas w/16' grain dump $7100, 1963 Int. gas w/16' grain dump $6600, and 1980 Chevrolet truck $6200.

Alvin Horning was the auctioneer.

XXX

A Machinery Auction was held December 28 by William Belack, R.D. 1, Lykens, Pa., 1 mile east of Gratz, Dauphin Co., Pa. There was a good turnout for the sale.

Some prices received were: M.F. transport disc $2650, M.F. 760 D combine with cornhead $7200, M.F. 1135 tractor $5100, M.F. 165 tractor $2900, M.F. 806 tractor $2800, 1964 Parker trailer $2600, tomato picker $575, grain platform $700, Ford sprayer truck $1150, A.C. 6-row corn planter $500 and A.C. WD45 tractor $500.

The sale was conducted by Kling's Auction Service.

XXX

A Public Auction of farm machinery and tractors was held December 28 by Robert Williams, A. Franklin Holloway, B. Frank Adkins and Raymond Holloway. The sale was held at the Robert Williams Farm, Pemberton Drive, Salisbury, Md.

Some prices were: M.F. 135 tractors $3650 & $3250, J.D. 2030 $6375, J.D. 2440 tractor $10,650, J.D. 3020 tractor $6200, J.D. 2840 tractor $14,900, J.D. 2640 tractor $8500, J.D. 2940 $9050, J.D. 4040 tractor $16,700, J.D. 4230 tractor $8550, Int. 715 combine $1500, J.D. 6620 combine $32,000, 215 bean head $2400, J.D. corn head $3300, John Blue 400 gal. sprayer $3625, J.D. planter $4500, J.D. 6-row cultivator $1350, J.D. 7000 planter $4100, J.D. 2040 planter $375, J.D. cultivator $1125, N.I. spreader $600, 1978 Chev. truck $1600, 1983 Chev. Malibu $4600, 1984 Toyota 4x4 $5725, 1979 Ford pickup $1900, 1974 Int. truck $10,250, 1974 Int. truck $10,500 and Ford irrigation pump $3700.

Pete Richardson Auction Sales conducted the sale.

Public Auction Register

Closing Date - Monday, 5 00 P M
of each week's publication

JANUARY

FRI. & SAT. JAN. 3 & 4 - 6PM & 9AM Respectively. Hshld., Tin Toys, Antiques, Glass & Furniture. At the Guernsey Sales Pavalion, Jct. of Rt. 896 & Rt. 30 East. Russell D. Shope, Owner. Steve & Steve Jr. Petersheim.

SAT. JAN. 4 - 9AM Real Estate, Antiques, Hshld., Auto, Animal Heads. Located: Strinestown, PA, Between York & Harrisburg, PA, E. of Exit 12, ¼ mi. Mrs. Grace Wertz. Blaine N. Rentzel, Auct.

SAT. JAN. 4 - 10AM Sechrist Sales Eq. Dispersal of Trucks, Tractor, Farming Implements. Located approx. 5 mis. S. of Stewartstown, York Co., PA, near New Park. Robert L. Sechrist, Owner. Sechrist Sales Co. Livestock Auction.

SAT DEC. 28 & SAT. JAN. 4 - 9AM Ea. Day. The Former George & Thomas German Garage & Machine Shop. 25 mis. N. of Allentown off Rt. 309, between Andreas & Bowmanstown, along Rt. 895, Carbon Co., PA. Sale by. Thomas W. German. Curt, Doug, Tim Houser, Aucts.

FRI. JAN. 10 - 10AM Horse Sale. New Holland Sales Stables, Inc., New Holland, PA.

FRI. JAN. 10 - 10AM Farm Mach. & Dairy Eq. From Blue Ball take Rt. 23 E. to Rt. 625, turn left onto Rt. 625, go approx. 1½ mis. to farm on left, East Earl Twp., Lanc. Co., PA. Terms by: Mervin & Anna Mae Martin. Roy Good, Jr., Randall V. Kline & Lloyd Kreider, Aucts.

FRI. JAN. 10 - 1:30PM PA State Graded Feeder Pigs. Carlisle Livestock Market, Exit 12 off I-81. 717-249-4511.

SAT. JAN. 11 - 9:30AM Farm Mach. Located Henry Zdancewicz, Woodz-Lane Farm, Rt. 537, Freehold, NJ. Directions: Rt. 537 (Farm in back of Coast Line Eq.) W. of Freehold Area Hospital. Norman Parker, Sale Mgr. Lee Parker, Auct.

SAT. JAN. 11 - 8:30AM Real Estate & Personal Property of Clarence W. Hunsberger Estate. At The Lemasters Community Center, Lemasters, Franklin Co., PA, 13 mis. SW of Chambersburg, PA. J. Robert Meyers, Auct.

MON. JAN. 13 - 11AM Turret Lathes, Drill Presses, Grinders, Air Compressors, Forklift, Shelving, Tools, Office Furn. Mid Atlantic Flange Co., Inc. (MAFCO), 1110 Rt. 113, Kimberton, PA. Directions: On Rt. 113, is 7 mis. E. of Rt. 100, 2 mis. W. of Phoenixville, PA. (Rt. 23). Wm. F. Comly & Son, Inc., Aucts.

TUES. JAN. 14 - 4PM Farmersville Auction in Farmersville, 3 mis. E. of Brownstown, Lanc. Co., PA.

WED. JAN. 15 - 10AM Machinery Surplus to Mfrs. Needs, Die Cast Machines, Presses, Lathes, Warehouse & Office Eq. Located D & Erie Sts., Phila., PA. Wm. F. Comly & Son, Inc., Aucts.

THURS. JAN. 16 - 11AM 150 Head at Mel Kolb, Inc., Woodsboro, MD, location.

FRI. JAN. 17 - 1PM Brooks End & Par-Kay Farms Annual Winter Sale at the farm, Beavertown, PA. Selling 200 Head: 70 Bred Gilts, 90 Open Gilts, 40 Service Boars. Mike Jones, Auct.

SAT. JAN. 18 - 9:30AM I.C.E. Hammer, Hyd. Cranes, Const. & Line Eq., & Vehicles. For: Florida Power & Light Co., Riviera Beach, FL. Vilsmeier Auction Co., Inc.

SAT. JAN. 18 - 9AM Work, Driving & Riding Horses, Tack, Hay & Straw at Jersey Shore Livestock Market. Harold Fraley, Auct.

SAT. JAN. 18 - 9AM Antiques, Hshld., Car & Real Estate. Located: RD1, Mt. Wolf, PA, Starview. Go on Codorus Furnace Rd. 1 mi., Mt. Hebron Rd. on left, 3 houses on right. Estate of Katherine Hoover. Rentzel's Auction Service.

SAT. JAN. 18 - 11AM Real Estate & Business. Location: 1 mi. W. of Chestertown on Rt. 20 & Brice's Mill Rd., Chestertown, MD. Harry Rudnick & Sons, Inc., Aucts.

MON. JAN. 20 - 11AM Robert & Joanne Gruber-Real Estate 48 Acre Farm & Modern Farm Eq. Along Pecks Rd. off Rt. 441 E. of Middletown, Londenberry Twp., Dauphin Co., PA. C.H. Wolgemuth Auction Service.

TUES. JAN. 21 - 11AM Farm Mach., 65 Holstein Dairy Cattle. 3 mis. S. of Catawissa, PA. Columbia Co. Terms by: Jr. & Mrs. Paul Mack. Fraley Auction Co.

WED. JAN. 22 - 11AM 21 Acres in Goochland Co. (Rock Castle Area). William L. & Sandra Hicks, Owner. Ownby Auction Service.

THURS. JAN. 23 - 9:30AM Hshld., Antiques, Dishes, Tools. Located Lanc. Co., PA, 3 mis. E. of White Horse on Buena Vista Rd. From Rt. 340 go S. at Cains. Lizzie L. & Rebecca S. Allgyer, Owners. Steve & Steve Jr. Petersheim, Aucts.

FRI. JAN. 24 - 10AM Horse Sale New Holland Sales Stables, Inc., New Holland, PA.

SAT. JAN. 25 - 9:30AM Line Eq., Trucks, Vehicles. For: PA Power & Light Co., Allentown, PA. Vilsmeier Auctin Co., Inc.

SAT. JAN. 25 - 12 Noon 45 Holstein Dairy Cattle, Dairy Eq. 15 mis. N. of Williamsport, PA, at Calbert, Lycoming Co. Mr. & Mrs. Elwood Loudenslager. Fraley Auction Co.

WED. JAN. 29 - 9:30AM Lg. Quantity Scaffolding, & Mechanical, Elec. & Contractors Tools. For: Public Service Elec. & Gas Co., Salem, NJ. Vilsmeier Auction Co., Inc.

FRI. JAN. 31 - 122 Fresh & Close Springing Holstein Heifers. At "The Udder Place", Redfield Farm, Inc., Amelia, VA. Ownby Auction Service.

FEBRUARY

SAT. FEB. 1 - 10AM 83 Acre Farm & Equipment. Location: Cumberland Co., 10 mis. E. of Shippensburg, PA. 2 mis. S. of Centerville on Pine Rd. From I-81 Newville Exit 11, take Rt. 233 S. to second crossroads, turn right to second farm on left at Beetam Rd.

FRI. FEB. 7 - 10AM Horse Sale. New Holland Sales Stables, Inc., New Holland, PA.

SAT. FEB. 8 - 1PM Arnold's 40th Hog Sale. Duroc- Crossbred-Landrace- Yorkshire. Lebanon Fairgrounds, Lebanon, PA. Harry Bachman, Auct.

SAT. FEB. 8 - Farm Eq. & Tools. Located along Rt 897 between Kleinfeltersville & Schaefferstown, PA. Aaron H. / Stella B. Martin. Paul E. Martin & John D. Stauffer, Aucts.

TUES. FEB. 11 - 9:30AM Farm Mach., Mules, Hay & Straw, Hshld. Strasburg, RD1. Sale by Ruth Z. & Aaron S. Fisher, Jr. Alvin Miller & Elvin Siegrist, Aucts.

THURS. FEB. 13 - 10AM Farm Mach., Mules & Horses. 1 mi. S. of Ronks. Johnothan F. & Katie King. Steve & Steve, Jr. Petersheim, Aucts.

THURS. FEB. 13 - Full Line of Farm Mach Carlisle, PA. Glenn Raudabaugh, Owner. Kling's Auction Service.

FRI. FEB. 14 - Complete Dispersal of Mostly JD Farm Mach. Located 4 mis. W. of Wakefield, Drumore, Twp. Robert McCauley, Owner. J. Everette Kreider, Auct

FRI. FEB. 14 - 10AM Farm Eq. New Holland Sales Stables, Inc., New Holland, PA.

FRI. FEB. 14 - Trucks, Farm Mach. & Feeder Cattle. Newville, PA. Mrs. Norman Reinford, Jr., & Ronald Reinford, Owners Art Kling, Auct.

FRI. FEB. 14 - 1:30PM PA State Graded Feeder Pigs. Carlisle Livestock Market, Exit 12 off I-81. 717-249-4511.

SAT. FEB. 15 - 9:30AM Special Horse Sale. Belleville Livestock Mkt., Inc., Belleville, PA.

Public Auction Register

Closing Date Monday 5:00 P.M. of each week's publication

TUES. FEB. 18 - 10AM - Livestock & Farm Equip. Located 7 mi. East of Lancaster, 1 mi. West of Paradise along Rt. 30 in Soudersburg. Dan L. Stoltzfus, owner. Diffenbach's, Auct. #225L.

TUES. FEB. 18 - 9AM Farm Mach., Five Work Horses, Feed, & Milk Eq. 1 mi. N. of Intercourse, PA, along Rt. 772. Jacob G. Esch, Owner. Steve & Steve, Jr., Petersheim, Aucts.

WED. FEB. 19 - 10AM Farm Eq., 3 JD Tractors, Produce. 6 mis. N. of Williamsport, PA, at Warrensville, Lycoming Co. Mr. & Mrs. Harold Fox. Fraley Auction Co.

THURS. FEB. 20 - 10AM Specializing in Reconditioned Horse Eq., Cub Tractors, & Farm Eq. Located between Soudersburg & Paradise at 2971 Lincoln Hwy. East, 6 mis. E. of Lancaster, Lanc. Co., PA. Terms by: Tom Wheary & Sons. Robert E. & Jeffrey R. Martin, Aucts.

THURS. FEB. 20 - 9:30AM Cattle sold at 12:30. 70 Head Reg. Holsteins, Farm Mach. Narvon, Lanc. Co., PA. Emanuel & Katie Fisher, Owners. Steve & Steve, Jr., Petersheim, Aucts.

FRI. FEB. 21 - Mostly Case Farm Mach. Located 3 mis. E. of Wakefield, Little Brittian Twp. James Ross, Owner. J. Everette Kreider, Auct.

FRI. FEB. 21 - 10AM Horse Sale. New Holland Sales Stables, Inc., New Holland, PA.

FRI. FEB. 21 - 226 Holsteins and Guernseys. E. Lyle Clark, Jr., Stuart, VA. Ownby Auction Service.

SAT. FEB. 22 - 11AM - Ear Corn, Ensilage, Farm Equip. Located 1 mi. NE of Lampeter along Pioneer Rd., Lancaster Co., PA. Barry L. Herr, owner. Diffenbach's, Auct. #225L.

SAT. FEB. 22 - 9AM Consignment Auction Sale. For: Suburban Contractors Assoc., Essington, PA. Vilsmeier Auctin Co., Inc.

SAT. FEB. 22 - 9AM Farm Eq., Hay & Straw, Personal Property. From Lancaster take Rt. 272 S. to Wakefield, in Wakefield take Rt. 222 S. approx. 1 mi. to farm on left. Farm is across road from Fulton Twp. School, Fulton Twp. Elmer & Orpha Weber, Owners. Roy Good, Jr., Randal V. Kline, Lloyd H. Kreider, Aucts.

SAT. FEB. 22 - Farm Mach. RD, Loysville, Perry Co., PA. Ray & Lynn Kling, Owners. Kling's Auction Service.

TUES. FEB. 25 - 10AM - Dairy Cows, Mules, Farm Equip. Located 7 mi. South of Strasburg, 2½ mi. East of Quarryville, ¼ mi. North of Rt. 372 along May Post Office Rd. Moses & Lizzie King, owners. Diffenbach's Auct. #225L.

TUES. FEB. 25- Farm Mach. 1½ mis. NE of Intercourse. Amos King, Owner. Steve & Steve, Jr., Petersheim, Aucts.

TUES. FEB. 25 - 9:30AM Edwin Horning & Sons Farm Mach. Located: Along Meadow Valley Rd., 1½ mis. W. of Ephrata, Lanc. Co., PA. Horst & Rentzel, Aucts.

THURS. FEB. 27 - 9:30AM Dispersal of High Grade Holsteins, Farm Mach Whitehorse, Lanc. Co., PA. Elam A. & Dora Riehl, Owners. Steve & Steve, Jr., Petersheim, Aucts.

THURS. & FRI. FEB. 27 & 28 - 9AM Antique Tractors, Engines, New, Used and Abused Farm Mach. Located 10 mis. E. of Lancaster; 2½ mis. W. of New Holland, turn off of Rt. 23 on South Groffdale Rd., turn left on Musser School Rd., Lanc. Co., PA. Terms by: Elias S. Beiler. Robert E. & Jeffrey Martin, 656-7770. Blaine Rentzel & Freddy Goodrich, Aucts.

FRI. FEB. 28 - 9AM Livestock, Machinery & Tools. Located in Mifflin Co. Midway between Reedsville and Belleville, PA, turn off Rt. 655 on Barrville Rd. Josie A. & Dorothy Hostetler, Owners. Mark Glick, Auct

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PUBLIC SALE

OF VALUABLE REAL ESTATE
THURS., JAN. 23, 1986
SALE AT 7:00 P.M.

Located ½ Mile West Of New Holland Along Rt. 23, Near Twin Kiss, Lanc. Co., Pa.

ZONED COMMERCIAL

Lot 113 ft. along Rt. 23 extending 320 ft. in depth. Stone ranch type dwelling w/one car garage attached. Kitchen w/built-in cabinets, living room, 3 bedrooms, full bath, full basement w/stone fireplace, well w/pressure system, oil fired hot air heat, electric water heater, water softener, storm windows & doors, insulation in attic & sides, new roof, draperies & curtains, one car concrete garage w/storage above, black-top drive.

OPEN FOR INSPECTION SAT., JAN. 4 & 11 FROM 2:00 TILL 4:00 P.M. OR FOR APPOINTMENT CALL 738-0918.

10% DOWN DAY OF SALE, BALANCE ON OR BEFORE MARCH 1, 1986.

TERMS BY:

JAMES E. & DOROTHY S. WITMER

AUCTIONEERS
ROBERT E. & JEFFREY R. MARTIN
656-7770-AU-000580-L
FRANK L. STELLER,
WENTZ, WEAVER, KLING, ATTY.

GOOD'S AUCTION

111 N. Maple Ave. Leola, Pa.

Hay and Straw Sales Every Wed.

At 12:00 Noon

Business Hours: 7:30 to 5:30,
Closed Sat. & Sun.

SALVAGE SALE

Building Materials & Supplies

JANUARY 11, 1986

10 AM

Anderson windows; interior and exterior doors, wood paneling, bath paneling, quality kitchen cabinets, bath vanities, interior, exterior lock sets, knobs, tools, hardware and much more.

Limited quantities: first come, first serve.
Cash only; come prepared.

12 mis. S. of Oxford, PA, right at Cecil Community College, then left on Theodore Rd. 301-287-6072

PUBLIC AUCTION

OF FARM MACHINERY
ON
SAT., JAN. 11, 1986
AT
9:30 A.M. SHARP

Henry Zdancewicz, Wood-z-Lane Farm, Rt. 537, Freehold, N.J.

Directions: Rt 537 (Farm in back of Coast Line Equipment) West of Freehold Area Hospital.

TRACTORS: 1968 IHC 706 diesel, 1971 IHC 544 diesel, 1953 Farmall Super "H", Ford w/scraper, 1958 A.C. D17 w/loader, set duals 15.5x38.

TRUCKS: 1952 Ford F-6, 1964 IHC 190 w/dump & grain body, 1958 GMC w/dump.

EQUIPMENT: 1977 A.C. Combine, A.C. F2 Combine diesel corn & soybean special w/13' head & A438 4 row corn head, A.C. blower w/50' pipe, Kuns hay tedder, elevator, N.I. manure flail spreader, 2 row corn planter, 2 Gehl wag., sprayer, N.H.. #275 Baler, N.I. #489 haybine, 5 flat wag., Brillion roller har., Brillion grass seeder, 24' Mayrath auger, long auger, J.D. #115 disk har., IHC 4 bot #540 plow, IHC 2 pt ht 2 bot. plow, 4 sect. spring tooth, scratch har., Gehl chopper w/corn & winrow head, Gehl blower, fert. auger, post hole dig., Oliver 4 row cult., J.D. 4 row corn planter maxi merge 38" rows, IHC grain dr., 3 pt ht roto beater, 3 pt ht scraper, 12½ KW Gen., 2 grain cleaners, Snowco grain cleaner, hay rack, Shaker feeder, Vicon wobble spreader, Jamesway 16' silo unload., 2 Jamesway barn cleaners (shuttle type), air comp., Airco welder, 3 plat. scales, 3 sect. S.S. wash tubs, 2 feed carts, 2 wheel bar., water trough, 4 alum. gates, cutting tanks, fuel tanks, cement mixer, iron pile, 2 long grain bins 3500 bu. ea. w/unloader augers plus drier, Misc. articles too numerous to mention.

The seller or auctioneer are not responsible for any theft, injury or accident of any kind on sale premises.

Terms: N.J. Res. Cash or Good Check w/proper I.D. Paid in Full Sale Day. Out of State Buyers: Cash or Guaranteed Funds or Current Bank Letter of Credit stating am't you can spend up to at the Zdancewicz Sale.

Sales Manager--
NORMAN PARKER
609-758-8603

Auctioneer: Lee Parker

Lunch will be available on the premises

This ad will appear only once

PUBLIC SALE

48 ACRE FARM and FARM EQUIPMENT
MONDAY, JAN. 20, 1986

11:00 A.M.
Farm At 1:00 P.M.

Located along Pecks Road, just off Rt. 441 East of Middletown. Turn onto Pecks Road at the Observation Tower. Second farm on left. Londenderry Twp., Dauphin Co. Pa.

48 ACRES Excellent Productive Soil. Large Bank Barn, Tobacco Shed, Silo, 4-Car Garage. Along Macadam Road.

2½ STORY Frame Dwelling. Bath, Electric Heat, Mature Shade. Plus a whole lot more.

Open for inspection-Sat. Jan. 11– 12 p.m. to 4 p.m. Other times by appointment. Call 717-944-4580 or 717-665-5664.

4 TRACTORS & MODERN FARM EQUIPMENT

7020 ALLIS CHALMERS TRACTOR w/Cab, Air, Stereo; A.C. 185 Diesel, recently overhauled w/turbo; A.C. D17 Tractor; A.C. D15; J.D. 7000 Corn Planter; 1580 Krause 18' Wing disc; 21' Brillion Wing Packer; Brillion Transport Harrow; 310 N.H. Baler w/thrower, (floatation tires); Glenco 7-Tooth Chisel; N.H. 244 Spreader; N.H. 365 Tank Spreader; Liquid Manure Tank mounted on Chevy Truck; 3 N.H. Hay Wagons w/Racks, N.H. 56 Hay Rake; N.H. 28 Whirl-a-Feed Blower; Ideal Straw Chopper; 7' Bush-Hog Mower, Walsh Field Sprayer, A.C. 7' Grass Mower, Brillion Cultimulcher 14', NI 225 2 row narrow picker, etc.

No Out of State Checks Unless Known by Owner or Aucts.

Not Many Small Items. Please be prompt. Sale to begin at 11 A.M. Property offered at 1:00 p.m. Lunch Available.

To Inspect Property call 717-944-4580 or 717-665-5664. Open Sat. Jan 11, 12 p.m. to 4 p.m.

SALE BY:
ROBERT & JOANNE GRUBER

Mel Hess, Atty.
C.H. WOLGEMUTH AUCTION SERVICE
R.D. #2, Manheim, Pa.
Ph. 717-665-5664
AU-1036

PUBLIC AUCTION

Located 10 miles east of Hagerstown, Md. & 14 miles west of Frederick, Md. on Route 40; North 2 miles on Pleasant Walk Rd., 3½ miles west on Loy Wolfe Rd.

SATURDAY, JANUARY 11, 1986

at 10:00 A.M.

FOUR TRACTORS AND EQUIPMENT

Ferguson 20 tractor; two Minn. Moline U.T.U. tractors (good for farm use; but used by owner only for belt work); Ariens 18 H.P. lawn tractor w/48 in. mower deck; rear mounted tiller for same; Ferguson 3 pt. 6 ft. scraper blade; 3 pt. 2/12 plow; 3 pt. wood saw mandrel; 3 pt. dirt scoop; 3 pt. 2 row cultivator; Danhauser 3 pt. post hole digger; 16 ft. rubber tire flat bed wagon; lever harrow; 2 wheel farm trailer; Mighty Mac portable log splitter w/7 HP engine; Merry Tiller w/4 HP Kohler engine; David Bradley walk behind garden tractor w/new 3 HP Briggs & Straton engine & cult.; Parker lawn sweeper for lawn tractor; Heckinger 3 ft. pull spreader; another lawn spreader; Sears cyclone spreader; P.T.O. sprayer w/hand nozzle; stock rack for 6 ft. pickup; New 84 Toyota pickup bed; flat utility bed for Toyota; both would make ideal trailers; 20 ft. tandem axle car trailer.

SHOP, LAWN, WOOD TOOLS & LUMBER

Belsaw Model 9103 planer-Molder-saw; Craftsman 10 in. table saw; 7 in. adjustable Dado for samea; M/W 5 in. jointer; Craftsman 12 in. wood lathe; Craftsman wood chisels; Champion DPB5-½ HP drill press; B/D router, Craftsman 3 in. dustless belt sander; Shop Craft hand sander; Craftsman 16 gal. shop vac.; Ram 7¼ in. circular saw; Craftsman bench grinder; C.T. air compressor w/¾ HP motor; 2 wooden work benchs; vise; anvil; C & table clamps; new roll of 6 in. belting; Schauer 6/12 volt battery charger; propane tank & heater; Hechinger rotary power mower; Echo SRM 200 BE string weeder; Homelite XL brush cutter; New Sears weed burner; 30 ft. wooden & 24 ft. alum. extension ladders; hydraulic jack; other hand; garden & lawn tools.

Homelite Super XL chain saw w/20 in. blade; Homelite Super 2 w/14 in. blade; Echo 500 VL w/16 in. blade; Echo 280 E w/12 in. blade; extra saw chains; Sears elec. chain saw sharpener; log chains; cart hooks; splitting maul; wedges; etc.

Oak 1"x6"x8' fencing boards; other 1 in. boards to 12 in.; 2x4's; other assorted lumber; 3 cord stove/fireplace wood.

GUNS

Winchester 22 Magnum, lever action; Marlin 22 automatic; Stevens model 87A 22 automatic; Marlin 12 gal. goose gun w/3 in. Magnum chamber, 4 shot; Riverside 12 ga. shotgun; Hanover 12 ga. open hammer double barrel.

ANTIQUES & HOUSEHOLD ARTICLES

Morgan made oak 2 pc. dutch style cupboard w/double glass doors; another Morgan made 2 pc. dutch style cupboard w/wooden panel double doors; Stottlemyer sewing rocker; early walnut spool bed; softwood double 4 pane glass door over 1 drawer over 2 doors corner cupboard (7'2"); 2 pot belly wood stoves; quilting frame; signature deluxe 20 cu. ft. chest freezer; Zenith 19 in. color TV w/stand; Phoenix 5 ft. tall case clock; double glass door bookcase; early plank bottom spindle back chair; Maple decon's bench; dinette set w/formica top stretch table & 6 chairs; Queen size sleep soda; sofa bed in blue & orange floral design, like new; wall hugger recliner in gold/brown; another recliner in green vinyl; maple single bed w/ M & B/S; Metal single pedestal desk; end table; snack trays; Vitamaster exercycle; metal wood rack; folding metal table; 6 metal folding chairs; Electrolux vac. w/power nozzle; 12 in. oscilating fan; Rival elec. meat slicer; Coleman 44 qt. metal cooler/ice chest, new; 10 gal. crock; table lamps; wall clocks; pots & pans; 12 pl. setting wheat pattern china & other china & glassware.

Sale Order: Small Items on wagon, tools, tractors, guns, furniture, dishes.
Terms: Cash-Not responsible for accidents.

MR. & MRS. MAURICE S. PRYOR
Phone (301)293-1383
13502 Loy Wolfe Rd.
Smithsburg, Maryland

Auctioneer: Robert C. Mullendore
Clerk: C.L. Metz

Note: Tractors, tools, guns & furniture have been well taken care of & mostly in excellent condition.

Lunch Rights Reserved

Public Auction Register

Closing Date Monday 5 00 P M
of each week s publication

FRI FEB. 28 - Mostly AC Farm Mach. Located 3 mis. N of Wakefield, East Drumore Twp. Joe Overly, Owner. J. Everette Kreider, Auct.

MARCH

FRI. FEB. 28 & SAT. MAR. 1 - 9AM 16th Annual 2 Day Consignment Sale of Farm Eq. Located Donald Scheese Farm, RD 3, Box 288, Elmer, NJ. Blaine Rentzel & Clyde Wolgemuth, Aucts.

SAT. MAR. 1 - 11AM, Terms by Henry M. & Elizabeth Martin. Located between Terre Hill & Red Run. East Earl Twp. Lancaster Co. Farm Equipment & Household Goods. Auct. Paul W. & Leroy S. Horst.

SAT. MAR. 1 - 9AM 22 Annual Bart Fire Co. Sale, Bart, PA.

SAT. MAR. 1 - Farm Eq. & Tools. Located North of Mt. Airy along W. Girlscout Rd., Lanc. Co., PA. Lester E. & Arlene M. Martin. Paul E. Martin & John D. Stauffer, Aucts.

MON. MAR. 3 - Farm Eq. & Tools. Located RD4, Lititz, PA, 3 mis. W. of Ephrata off of 322. Dennis E. & Deena L. Hess, Owners. Paul E. Martin & John D. Stauffer, Aucts.

MON. MAR. 3 - 10AM Farm Machinery & Shop Tools. Located in Mifflin Co., 3 mis. SW of Belleville, PA, turn S. off Rt. 655 on Bunker Hill Rd. Chester M. Peachey, Owner. Mark Glick, Auct.

WED. MAR. 5 - 10AM Farm Mach., Hshld., 3 Tractors. 2 mis. SE of Turbotville, PA. Mr. & Mrs. Rohr Enterline. Fraley Auction Co.

THURS. MAR. 6 - Farm Eq. & Related Items. Located 244 Burnt House Rd., Carlisle, PA. Ralph Goodling, Owner Foreman, Auct.

FRI. MAR. 7 - 10AM Horse Sale. New Holland Sales Stables, Inc , New Holland, PA.

FRI. MAR. 7 - 9AM Spring Machinery Sale. Located Belleville Lvstk. Mkt., selling all kinds of machinery on consignment. Belleville Livestock Mkt., Inc.

SAT. MAR. 8 - 8:30 AM - 17th Annual Commission Sale by Gordonville Fire Co. Located at the Fire Hall, Gordonville, 10 miles east of Lancaster on Rt. 30. Turn North on Leacock Rd. at Paradise, approx. ½ mile to sale. Household Goods, Farm Equipment, Quilts & Antiques. Ron Funk & Local Auctioneers

SAT. MAR. 8 - 9AM Potato Eq., Farm Eq. Trucks & Tractors. Felton, PA. 3 miles South of Red Lion, York Co. Clair Flinchbaugh, Owner. Blaine Rentzel, Auct.

FARMERSVILLE AUCTION

TUESDAY, JANUARY 7

4:00 P.M.

In Farmersville, 3 mi. east of Brownstown, Lanc. Co., Pa.

Modern Furniture including 3 pc maple bedroom suite; 2 pc. maple bedroom suite; Amana refrigerator less than a year old; upright freezer like new; etc. See Jan. 4 Lancaster Newspaper for full listing.

WE SELL ON COMMISSION

Call **JOHN J. RUTT**
(717) 354-5095

Auctioneer: Lester Weaver
AU-982-L

PUBLIC SALE

OF 83 ACRE FARM & EQUIPMENT

SAT., FEB. 1, 1986

10:00 A.M.

Location: In Cumberland County, 10 miles east of Shippensburg, Pa., 2 miles south of Centerville on Pine Rd. From I-81 Newville Exit 11, take Route 233 south to second crossroads, turn right to second farm on left at Beetem Rd. (Watch for signs).

Real estate to be offered at 1:00 p.m. consists of a farm of 83 Acres (more or less) in 2 tracts. All tillable. Tract #1 consists of 64.4 acres with a 2 story house. 5 rooms & bath upstairs. down stairs has 4 rooms & bath, hot water baseboard heat (zoned). Modern kitchen. Closed-in porch & attached garage. All metal roofs. Good well. Bank barn & good adequate out-buildings including a shed & attached 6 stall horse barn. All are in good repair. Tract #2 consists of 18½ acres (more or less). All level land and good productive Murril Lome Soil. Approximately 5500 feet of road frontage. **Terms 10% down, balance on or before April 1, 1986. Detailed terms & conditions will be read at time of Sale. Inspection of house by appointment only by calling (717) 486-5457. Listing of equipment will appear Jan. 25.**

ROBERT L. SPAHR (Owner)

Art. Rife, Auct. #AU-768-L
Ph-776-3645
John Fowler III, Attorney

PUBLIC AUCTION

FARM EQUIPMENT

FOR MR. MICHAEL REDKOLES

SAT., JANUARY 11, 1986

STORM DATE

JANUARY 15, 1986

Time 11:00 A.M.

High Hill & Pedrictown Rd.

Swedesboro, N.J.

1956 Ford tractor (850 model, completely overhauled), 1955 Ford tractor- (800 series), 1952 Super C tractor, 1951 Super C tractor, 1956 Ford 10 wheeler w/20'-10" diamond plate body & 10 speed rear, 1-3 bottom 14" Ford plow, 1-2 bottom 14" Ford plow, 10' cut harrow w/new disc, 3 PTH Ford cultivator, 2-6' 3 PTH disc harrows, 3 PTH-12' marker, Pepper brusher w/soft hair brushes, 3 PTH scraper blade, Bush Hog, 2 row middle breaker, farm trailers, 2 row planter, manure spreader, boom sprayer w/200 gal. tank, large air compressor, A-C Forney arc welder, scratch harrow, horse drawn mower, fertilizer drill w/high or low wheels, lot of ½ bu. baskets, about 120 plastic baskets.

Several pieces of 4" irrigation pipe, some 3" irrigation pipe, lot of good hand tools, usual line of crib house tools.

Auctioneers Note: Owner having sold ground, everything will be sold to highest bidder. Tractors are all in good running shape - High Hill Rd. is next to school in Swedesboro. Off C. Barry Bridge take 130 south to High Hill Rd. or take 295 south to Exit 10.

Terms- Cash or good check

Ralph D. Hughes-Auctioneer
609-589-6454
Day of Sale 467-0987
Lunch-Avail.

PUBLIC AUCTION

TRUCKS - PLUMBING SUPPLIES - FORK LIFTS & CONTRACTORS TOOLS

WAYNE A. HOWE INC.

WEDNESDAY, JANUARY 15, 1986

9:30 A.M.

Located: Off Interstate 83, Exit 12 north of York, Pa., go west to Rt. 295, turn right, go ½ mile to Farm Brook Lane on left, 1st large building on left.

FORK LIFTS - RADIOS & TRUCKS 1:00 P.M.

1 - 1981 G.M.C. Brigadeir w/3208 Cat Diesel, 20 ft. Flat Bed w/Hydraulic tail gate - 48,000 miles; 3 - 1983 G.M.C. 515 Pick-up Trucks w/utility bodys & pipe racks, 6 cy. - automatic & radios; 1 - 1981 AMC Spirit; 2 - Storage Trailers; Motorola Maxar 80 Radio System Complete w/11 mobiles - 6 Hand Held - 2 Base Remotes - 1-4 Channel Base w/Scan, Ant. & Misc; Clark 4000 lb. Model C500-45 Fork Lift - Propane; Towmotor 2000 lb. Model 390 FM Fork Lift - Propane; Hobart Diesel Welder-Model DCC 353P - 350 AMP - 850 Hrs.; Hobart Mig & Flex - Model 450RUS - 450 AMP w/Wire Feed; Linde V1 - 206 Wire Feed Welder; Hobart Silverline ST 295 Stick Welder; Cobra Matic Mig. Attachment; Misc. Welding Supplies & Leads; Acetylene Torches; ESTIMATION Computer System.

OFFICE

LIKE NEW CHERRY Executive Office Furniture. 3 - Wooden Desks w/glass top; 3 - File Cabinets; 1 - Coffee Table; 1 - Wooden Credenza; 2 - Upholstered Love Seats; 3 - Upholstered Executive Chairs; 1 - Wooden Cherry 9' Executive Hutch; 3 - Sec. Wall Cabinets; 4 - End Tables; 1 - Wooden Conference Table w/Glass Top; 6 - Upholstered Chairs; 1 - Upholstered Secretary Chairs; Calculators, Electric Typewriters, Smoke & Burglar Alarms, Apeco Copier, Etc.

MACHINE & TOOLS

Goodall Parts Washer; E215 Groov Master Insulation Machine; 4 Wheel Doilies; 20' Chains & Binders; B & D Electric Cut-off Saw; GE Vacuum Pump; Hard Hats; 3 - B&D Hand Held Cut-off Saws; Complete Set Pipe Dies; Ridge 300 Power Vise; Pallet Racks w/Bars; Nylon Cargo Ratchet Straps; Gang Boxes & Misc. Tool Boxes; Metal Scaffolding; Saw Horses; Solder Pot; Stihl 2 Cycle Cut-off Saw; Ladders; 24" to 48" Ridge Pipe Wrenches; Ridge And Pipe Threader; Drain Snakes; Marathon Stationary Cut-off Saw; Bernard 3500SS Air Cooler; Misc. Trk Parts & Filters; 1-pr. 11x22.5 Goodyear Truck Tires.

SUPPLIES

Cast Iron Pipe 4" to 10"; Floor Drains & Traps; Lg. Quantity PVC Pipe & Fittings; Lg. Qty. Copper Fittings ½" to 4'; Rolls Copper Pipe; Victaulic Pressure Fittings; Brass Fittings; American Standard Closet Tanks; Trane Gas Valves; new Cast Iron A/S Bath Tub; AD Smith Electric Water Heater; A/C Parts & Tools; Cast Iron Fittings; Pipe Hanger Straps; Lg. Qty. Steel Pipe Ftgs. ¼" to 4; Full Lengths Copper Pipe ½" to 4'; Water Pipe Insulation; Bolts & Bolt Bins; New Faucet Sets & Sink Drains; Aprilaine Humidifier; 1 & 3 ph. Electric mtrs.; S/S Sinks; (4) Loren Cook Roof Air Fans - NEW; Lg. Qty. Flexible Duct Insulation; Various Size Stove Pipe Single & Double Walled - Adelta Misc. Sheet Metal; Duct Work & Vents - Conduit, Wire, Guages, Switches, Relays, Large Qty. of Metal Shelving of various sizes & many items too numerous to mention.

AUTIONEER'S NOTE: TITLE VEHICLES WILL BE SOLD WITH TITLE ATTACHED SALE DAY.

TERMS: Cash or Good Check - Full Settlement Sale Day.

WAYNE A. HOWE INC. MECH. CONTR.
600 Farm Brook Lane
York, Pa.
717-845-2725

AUCTIONEER: RENTZEL'S AUCTION SERVICE
Emigsville, Pa.
717-764-6412
Lic. #761-L

2 AUCTION SALES

TURRET LATHES, DRILL PRESSES, GRINDERS, AIR COMPRESSORS, FORKLIFT, SHELVING TOOLS, OFFICE FURN., & EQUIPMENT

MONDAY, JAN., 13, 1986-11 A.M.

ON PREMISES

MID ATLANTIC FLANGE CO., INC. (MAFCO)
1110 ROUTE 113, KIMBERTON, PA.

DIRECTIONS: Sale Site on Route 113, Is 7 Miles East of Route 100, 2 Miles West of Phoenixville, Pa. (Route 23).

TURRET LATHES, DRILL PRESSES, MARKING MACHINES

(2) Bullard 42" & 36" Spiral Drive Vertical Turret Lathes, Niles 60" Vertical Turret Lathe w/H.S. Table & Side Head, (9) Warner & Swasey Turret Lathes, Pre-Selector, w/Tooling, Models 1A, 2A, 3A & 4., Sydney Lathe 20x54, Gisholt #4 Turret Lathe, Morris Radial Arm Drill, (4) Babin 12" & 24" Circl-Matic Drill Presses, (2) Babin Flange Marking Machines, Wilkerson Air Rite Refrigerated Dryer.

AIR COMPRESSORS, TOOLS, GRINDERS, PIPE THREADER

(2) Dayton & Champion 25 H.P. Air Compressors, (6) Allen, Sprunger & Walker Turner Drill Presses, Delta Carbide Tool Grinder, (2) Dayton & Black Diamond DE Grinders, Delta Radial Saw, Ridgid Pipe Threader, Banding Tools, (2) 1-Ton Hoists w/Boom, Power Grinders, Asst. Drills, Reamers, Taps, Dies, Bushings, Gears, Collets, Etc.

FORKLIFT TRUCK, SHELVING, OFFICE EQUIPMENT

White 4000# Propane Forklift Truck, (31) Sections Pallet Shelving, Basic Four Computer System Complete w/Printer & (3) Terminals, Mita DC-131 Copier, ABS Plant & Office Music & Paging System, Executive Desks w/Chairs, Credenza, Upholstered Love Seat & Chairs, Lateral File Cabinets, Royal Typewriters, Visible Files, Calculators, Tables, Chairs, Shelf Units.

INSPECTION DAY OF SALE FROM 8 30 A M
TERMS CASH OR CERTIFIED CHECK 25% DEPOSIT REQUIRED
PA AUCTIONEERS LICENSE NO AU000175L

Wm. F. COMLY & SON INC
Auctioneers
1825 E BOSTON AVE PHILA PA (215)634-2500

MACHINERY SURPLUS TO MFRS NEEDS

DIE CAST MACHINES

PRESSES, LATHES, GRINDERS, SAWS WAREHOUSE & OFFICE EQUIPMENT

WED., JANUARY 15, 1986-10 A.M.

ON PREMISES

D & ERIE STS., PHILA., PA.

DIE CAST MACHINES, PRESSES, LATHES

2-400 Ton (1) Hot & (1) Cold Chamber Kux Die Cast Machines (Zink & Alum.), 2-100 Ton Castmaster Hot Chamber Die Cast Machines, 3-4 Post 15 & 20 Ton Hydraulic Presses (Denison & Lawton), 1-Denison 12 Ton C-Frame Multi-press, Zinc Gas Remelt Furnace, Burnishing Machines, Tumblers, Drying Barrel, Impact 96 Diecasters, American Hydracast Model 74 Die Cast Machine, 4 Punch Press Machines, Drill Presses, Die Cut Press & Skin-Pak Unit, Allen Tapping Machine w/Procunier Head, Kaufman Tapping Machine w/Zagar Head, Bridgeport & Cincinnati Vertical Milling Machines, LeBlond Geared Head Engine Lathe, Sheldon & Kerry Engine Lathes, Harding Speed Lathe, Cincinnati Surface Grinder, Boyar Surface Grinder, Delta Tool Cutting Grinder, Grob Band Saw, Universal Shaping Saw, Milwaukee Die Files, Johnson Horizontal Band Saw, Assembly & Packaging Equipment, Machine Tools, 2 Dennison Trim Presses, 2 Lead Die Cast Machines.

WAREHOUSE & OFFICE EQUIP., TRASH COMPACTOR

5 H.P. Air Compressor, Wire Stitcher Machine, Electric Motors, Melting Pots, Arc Welder, Steam Cleaner, Rapid Power Conveyor, Scales, Dock Plates, Hand & Barrel Trucks, Pedestal Fans, 30 Portable Steel Rolling Carts, Cobey SP 30 15 H.P. TC 3 Phase Trash Compactor, Office Furniture & Equipment - IBM System 32 Program Computer w/Remote Input System, Burroughs Computer Paper Splitter, 2-IBM Selectric II Typewriters, Blue-ray Whiteprinter, Drafting Tables, Conference Table w/Chairs, 20-4 Dr. File Cabinets, Calculators, Desks w/Returns, Credenzas, Storage Cabinets, Blueprint File Cabinets, Desk Lamps, Costumers, Cafeteria Pedestal Tables & Chairs.

TERMS CASH OR CERTIFIED CK 25% DEPOSIT REQ
COMPLETE PAYMENT SALE DAY
INSPECTION MON JAN 13 10 A M to 3 P M
PA AUCTIONEERS LICENSE NO AU000175L

Wm. F. COMLY & SON INC
Auctioneers
1825 E BOSTON AVE PHILA PA (215)634-2500

PUBLIC AUCTION

84 ACRE DAIRY FARM, FARM & BUTCHER EQUIPMENT, GRAIN TRUCK, HAY & STRAW, ANTIQUES, HOUSEHOLD GOODS, & TOOLS

SATURDAY, JAN. 25, 1986

AT 9:00 A.M.

(Snow Blizzard date: Saturday, Feb. 1, 1986)

LOCATED: 3 Miles South of Strausstown on Bricker Rd., Jefferson Twp., Berks Co., PA. Turn off New Schaefferstown Rd. across from Tulpehocken High School onto Bricker Rd. for 1 mile to sale.

REAL ESTATE

Consists of an 84 Acre Dairy Farm (74 acres tillable - 10 acres pasture w/2 streams); a modern 60x70' Dairy Barn w/43 stanchions & 2 Patz gutter cleaners; milk house w/650 gal. milk tank; 12x40' Stave Silo w/unloader; 40x60' shed; 2½ story Frame Home w/shingles - oil/hot water heat, 3 Bedrooms, bath, kitchen w/fireplace, dining room, & living room; & other out buildings and lots of road frontage.

FOR INSPECTION OF REAL ESTATE: Call 215-488-1830 for appointment.

Sale Ordered By:
HARRY W. & HELEN S. NAFTZINGER

Auctioneer —
KENNETH P. LEIBY
R.D. #2, Box 2674
Hamburg, Pa. 19526
215-562-3929
PA L# AU00541-L

Public Auction Register

Closing Date Monday 5 00 P M of each week s publication

PUBLIC AUCTION

OF FARM EQUIPMENT

SATURDAY, JAN. 18, 1986

AT 10 A.M.

Located from Seaford, Del. off U.S. 13 take Stein Highway to Atlanta Rd. to 2nd road right (561) to 1st road left. Auction on left. Sale on (554).

Tractors

Int. 1066 diesel, Int. 806 Diesel MF 65 Gas, Combine MF - 510 - Diesel - grain and corn head.

Equipment

Int. 5100, 21X grain drill -w- press wheels, 12 ft chisel plow, 10 ft chisel plow, Int. 560 - 6x16 semi mt plow, Int. 370 - 16 ft disc, Int. 370 - 12 ft disc, Int. 10 ft off set disc, Brillion 18 ft Comfort packer, J.D. 24 ft. springtooth, Int. 10 ft springtooth, Int. 4 Row Rotary Hoe, Long 6 ft Rotary mower, 5 ft Bush Hog, New Idea lime drill, dark sprayer, self unloading grain wagons, flat wagons, Brillion 6-31" cultivators, Ferg. 4 row cultivators, JD 6 ft scrape blade, Grove 5 ft scrape blade, 30'-4" auger, 3 pt boom, 18.4-34 duals, Quick hitch, 1000 gal water tank, 110' gal fuel tank -w- elec. pump, 10 gal fuel tank -w- 2 compartments, torch set, Lincoln 180 welder, old barn boards.

Trucks

1959 Chevy-w-20 ft all steel grain body, 1957 - 15 ft grain body, 1954 Chevy -w- dump body, 1974 ½ tm Dodge pick up, 1965 Chrysler New Yorker hard top. **Inspection of vehicles responsibility of purchaser.**

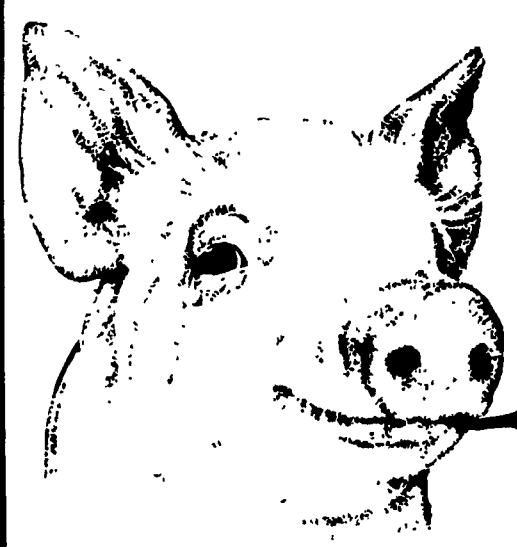
TERMS OF SALE: Cash or approved check or letter from bank guaranteeing funds.

Owner
LEROY ALLEN
1-301-754-5086

Auctioneers —
A. CURTIS ANDREW AUCTION INC.
Curtis Andrew
Mike Roe
Glenn Watson

PENNSYLVANIA ALL BREED BRED GILT SALE

Farm Show Bldg. - Harrisburg, Pa.
Small Arena
Sale Arena Phone (717) 787-4160



Catalogues Available At Farm Show Or By Request Only From Harry Bachman 138 College Ave. Annville, Pa. 17003

SALE SCHEDULE

MONDAY, JANUARY 13, 1986		TUESDAY, JANUARY 14, 1986	
10:00	Landrace	10:00	Berkshires
12:00	Yorkshire	12:00	Duroc
2:00	Spotted	2:00	Hampshire

Swine Open Show
Sat., Jan. 11
9 A.M.

Auctioneer
HARRY BACHMAN
138 College Ave., Annville, PA 17003
Tel. 717-867-1809

MAY BE REMOVED FOLLOWING SALE WHEN SETTLEMENT MADE

PA. CO-OP SWINE BREEDERS ASSN.

SAT. MAR. 8 - 9:30AM Farm Eq. & Hshld. Located along Rt. 341 midway between Lawn & Deodate, Dauphin Co., PA. Sale by: Carl H. Snavely. Raymond Miller, Auct.

SAT. MAR. 8 - Farm Mach. RD, Carlisle, PA. Galen Byers, Owner. Kling's Auction Service.

SAT. MAR. 8 - 9AM 70 Head Livestock, Dairy Eq., 6 Tractors and Farm Mach. Located in Centre Co., 6 mis. S. of Bellefonte, PA, on Rt. 550 in Buffalo Run Valley, turn W. (right) at Filmore Church, about 1 mi. to lane on left. C.D. (Joe) Shafranich, Owner. Mark Glick, Auct.

PUBLIC AUCTION

ANTIQUES-HOUSEHOLD GOODS-
CAR & 13+ ACRES
OF WOODLAND
RESIDENTIAL
INVESTMENT PROPERTY

SATURDAY, JAN. 18, 1986

9:00 A.M.

LOCATED: R.D. #1 Mt. Wolf, Pa. - Starview - Go on Codorus Furnace Rd. 1 mile, Mt. Hebron Rd. on left, 3 houses on right.

REAL ESTATE
12:30 P.M.

Real Estate consists of 13+ acres of woodland & No Improvements w/road frontage along Jerusalem School Rd., East Manchester Twp., York County, Zoned Residential. This property could be Sub-divided into building lots. This real estate is located off Rt. 24, Sherman St. Extended, north of Mundis Mills, 1st hard road right (Jerusalem School Rd) go approx. 1 mile to hard road on left (Hillview Drive) land starts at Hillview Drive & extends along left side of road to end of guardrail. This Real Estate will be surveyed by seller & a full description will be given sale day. For inspection Ph. 717-764-6412 Daytime or Evenings 717-266-1671.

TERMS: 10% Down Sale Day - Balance in 45 Days.

"SOLD AT SALE LOCATION".

CAR
1:00 P.M.

1984 Dodge Aries - 4 Dr., 9600 mi., AC & stereo (LIKE NEW).

9:00 A.M.

ANTIQUES-GLASSWARE-HOUSEHOLD

Round oak table w/claw feet, 2 oak Bow front china closets, cherry dropleaf table, 3 blanket chests, Victrolla - LIKE NEW (1916), Oak dressers, Oak wash stands, Oak stands, sets of 6 & 4 plank bottom chairs & others, 7 mantle clocks, Oak mirrors, clothes trees, Pineapple poster bed, Oak square extension table, Oak buffet, drop-front desk, 2 childs painted rockers, Oak rockers, cedar lined wardrobe, jewelry boxes, dovetailed boxes, Lewisberry coffee grinder, picture frames, cedar chest, metal wardrobe, Singer electric sewing machine.

Large assortment of glassware, Depression, Carnival, Crystal, & Stemware, kerosene lamps, cut glass, porcelain, old china, Germany, Bavarian, Noritake, French, Flow Blue, Holland, Earthenware, teapots, hand painted figurines, D.F. Stauffer cans & crates, pails, wooden measures, morticed benches, brooms, tins, jars, salt & pepper sets, miniature cast iron items, old doll house & furniture, crocks, pocket watches, pocket knives, baskets, arrow heads, powder horns, Enterprise coffee mill, pictures of old Wrightsville Bridge, brass umbrella stand, 10" wooden R.R. cars, post cards, hand sewn quilts.

Philco 23" colored TV, Kelvinator ref., Kelvinator washer & dryer - LIKE NEW, toaster oven, step stool, electric space heater, Hechinger 8 hp. 5 sp. 30" riding mower electric start (NEW), MTD 7 hp. tractor & mower, power mower, 8' Yard Wind Mill, wooden wheelbarrow, bench grinder, hand tools, bird bath, ladders & step ladders, tubs, buckets, carpenters box, wooden rake, gardening tools, wooden cigar boxes, and etc.

NOTE: This is only a partial list of what we have for sale, we will be finding many more items of interest in preparing for the sale.

TERMS: CASH OR GOOD CHECK.

ESTATE OF KATHERINE HOOVER
Executors: The Drovers & Mechanics Bank
York, Pa.
Attorney: Earl Doll

AUCTIONEERS: Rentzel's Auction Service
Emigsville, Pa.
717-764-6412
Blaine-Nevin-Ed
Lic. #761-1442-1329

TUES. MAR. 11 - 8:30AM JD Farm Eq. including 5 tractors, Hshld. Located 1 mi. S. of Rheems, PA. Sale by: Sara E. Martin. Raymond Miller & Rufus Geib, Aucts.

WED. MAR. 12 - All Kinds of Tractors & Farm Eq. Keener Eq., Inc., 1531 Manheim Pk., Lancaster, PA. C.H. Wolgemuth & B. Rentzel, Aucts.

THURS. MAR. 13 - 9:30AM Consignment sale of Tractors & Farm Eq. Messick Farm Eq., Inc., Rheems Exit, Rt. 283, Elizabethtown, PA. Raymond Miler, Auct.

FRI. MAR. 14 - 9AM Farm Eq. New Holland Sales Stables, Inc., New Holland, PA.

FRI. MAR. 14 - 5:30PM 60 Tractors, Trucks, Material, Watches. Kempton Community Center, Northern Berks Co. 12 Aucts. 215-756-6511.

FRI. MAR. 14 - 1:30PM PA State Graded Feeder Pigs. Carlisle Livestock Market, Exit 12 off I-81. 717-249-4511.

SAT. MAR. 15 - 9:30 AM - Farm Eq. Household. 5 Miles west of Brickerville, 5 miles east of Manheim. From red light at Brickerville, go west on Rt. 322 1½ miles, turn left on Speedwell Forge Rd., go to Mountain Rd., turn right. Lancaster Co. John N. Reiff. Frank & Paul Snyder, Auctioneers.

SAT. MAR. 15 - Farm Eq. & Related Items. Located RD1, Boiling Springs, PA. Estate of Willis (Ike) Sughart. Foreman, Auct.

SAT. MAR. 15 - 8:30AM Consignment Auction Sale. For: Utility & Trans. Contrs. Assoc. of NJ, Wall Twp., NJ. Vilsmeier Auction Co., Inc.

SAT. MAR. 15 - Farm Eq., Dairy Cattle, Hshld., & Tools. Located 4½ mis. N. of Womelsdorf, ½ mi. off Rt. 419 along Parkside Inn Rd. Berks Co. John W. & Gayle D. Eiler, Owners. Paul E. Martin & John D. Stauffer, Aucts.

SAT. MAR. 15 - 9AM Farm Mach., Hshld., Produce. 15 mis. N. of Williamsport at Calbert, Lycoming Co. Sale by: Mr. & Mrs. Elwood Loudenslager. Fraley Auction Co.

SAT. MAR. 15 - 9AM Kempton Community Center, Northern Berks Co. Farm Mach., Lumber, Small Items. 12 Aucts. 215-756-6511.

TUES. MAR. 18 - 9AM Dairy Cattle, Farm Mach., Furniture. Located in Huntingdon Co., 1 mi. S. of Allensville on Rt. 655. George & Anna Hartzler, Owners. Mark Glick, Auct.

WED. MAR. 19 - 3PM Easter Lamb & Goat Auction. At the Belleville Livestock Mkt., Belleville, PA.

FRI. MAR. 21 - 7PM Horse Sale. New Holland Sales Stables, Inc., New Holland, PA.

FRI. MAR. 21 - "Special" Spring Easter Lamb & Goat Sale 2PM; Rabbits and Poultry 11AM. Gates open 8AM.

SAT. MAR. 22 - Farm Eq. & Tools. Located W. of Lancaster, Rt. 30, Centerville Exit, S. to Columbia Ave., turn left first Rd. right on Kready Rd. Aaron J. Brubaker & Gary R. Bender, Owners. Paul E. Martin & John D. Stauffer, Aucts.

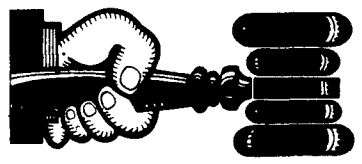
SAT. MAR. 22 - Lancaster Farm Toy Auction, Show & Sale: 9AM to 3PM. Auction Starts at 5PM. Located Lancaster Treadway Inn, Rt. 30 & Oregon Pk. (Rt. 272), Lancaster, PA. Wally Hooker, Auct.

SAT. MAR. 22 - RD1, Duncannon, PA. Owen Ebersole Estate. Kling's Auction Service.

MON. MAR. 24 - Farm Eq. Located North Groffdale Rd., Leola, PA. M.M. Weaver & Son Owners. Paul E. Martin & John D. Stauffer, Aucts.

Public Auction Register

Closing Date Monday 5 00 P M
of each week s publication



AUCTIONEER'S DIRECTORY

NOTICE

To assure that your Public Sale appears in the Public Sale Section we must have your advertisement by 4 P.M. Tuesday of each week's publication.

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R D #2 Manheim Pa

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37 Years Of Complete And Experienced Auction Service We Will Buy Your Farm, Machinery And Cattle OR Sell Them For You At Public Auction For Their Highest Market Value!

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(215) 458-8518
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"Eastern Pennsylvania's Foremost Auction Company."

MON. MAR. 24 - Farm Eq. & 3 Tractors. Ronald M. Carper, R1, Manheim, PA. Along Landisville Rd., just W. of Rt. 72 in E. Petersburg on Graystone Rd. to Landisvaily, PA. Wolgemuth Auction Service.

SAT. MAR. 29 - Full line of Farm Mach. Pine Grove, Schuylkill Co., PA. Paul Martin, Owner. Steve & Steve, Jr., Petersheim, Aucts.

SAT. MAR. 29 - Farm Eq., Hshld. Goods & Antiques. Located along Panorama Drive, Lanc. Co., Brecknock Twp. Take 625 N. to end of town, turn left on Lauschtown Rd., go 1 mi. to Panorama. Drive, turn right, go past Stauffer Fruit Farm, 1st farm on left. Amos Musser, Owner. LeRoy S. Horst & Paul W. Horst, Aucts.

SAT. MAR. 29 - Full Line of Modern Farm Machinery. Located W. of Lititz at 795 W. Lexington Rd. Sale by: Paul T. & Vera E. Good. Paul E. Martin & John D. Stauffer, Aucts.

APRIL

FRI. APR. 4 - 9AM Farm Eq. New Holland Sales Stables, Inc., New Holland, PA.

TUES. APR. 8 - 7PM Feeder Pig Show & Sale. New Holland Sales Stables, Inc., New Holland, PA.

FRI. APR. 11 - 7PM Horse Sale New Holland Sales Stables, Inc., New Holland, PA.

FRI. APR. 11 - 1:30PM PA State Graded Feeder Pigs, Carlisle Livestock Market, Exit 12 off I-81. 717-249-4511.

SAT. APR. 12 - 9AM C.H. Wolgemuth & Sons Annual All Day Consignment Sale. Four mis. W. of Manheim, along Valley Rd., 10 minutes from Rt. 283 at Manheim/Mt. Joy Exit. Lanc. Co., PA.

SAT. APR. 19 - Arnold's 41st Hog Sale. Breeding Hogs & Project Pigs. Located Lebanon Fairgrounds, Lebanon, PA. Harry Bachman, Auct.

WED. APR. 23 - All Kinds of Tractors & Farm Eq. Keener Eq., Inc., 1531 Manheim Pk., Lancaster, PA. C.H. Wolgemuth & B. Rentzel, Aucts.

FRI. APR. 25 - 9AM Farm Eq. New Holland Sales Stables, Inc., New Holland, PA.

MAY

FRI. MAY 9 - 1:30PM PA State Graded Feeder Pigs. Carlisle Livestock Market, Exit 12 off I-81. 717-249-4511.

MON. MAY 26 - Antique Tractors & Farm Eq. Keener Eq., Inc., 1531 Manheim Pk., Lancaster, PA. C.H. Wolgemuth & B. Rentzel, Aucts.

PIGS

STATE GRADED SALE
FRI. JAN. 10th
1:30 P.M.
at
Carlisle
LIVESTOCK MARKET
Exit 12 Off I-81
(717) 249-4511 or
Evenings Jim, 249-2359

SALE EVERY TUESDAY

Graded Sale
1st Tuesday each month
2 P.M.
Horse Auction
2nd Saturday each month
1 P.M.

FAUQUIER LIVESTOCK EXCHANGE
Marshall, Va.
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DEALER IN ALL KINDS OF LIVESTOCK
Also Crippled & Down Cattle

MARLIN S. IRWIN
Quarryville, PA
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H & H Auction

Every Thursday Night,
6:00 P.M.

Located on Strasburg Rd., Coatesville, ½ mi. East of Stottsville Hotel and 1 mile West of Rt. 82.

Household Goods & Appliances sold at every auction.

Consignments accepted.
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Visit our used furniture and appliance store, 50 pieces of appliances at all times.

Auctioneer:
Richard Dunlap AU001605L

PUBLIC AUCTION

REAL ESTATE & BUSINESS

Location: 1 Mile West Of Chestertown On Route 20 & Brice's Mill Road, Chestertown, Md.

SAT., JANUARY 18, 1986
AT 11:00 A.M.

Restaurant & Store: 40'x30' Concrete Block Building W/12x22 Crab Cooking Addition, Walk In Cooler.

Produce Building: 36'x24' Frame W/Concrete Floor & 12x12 Cooler Room, Nice Parking Lot, Water & Sewage.

A Great Opportunity To Purchase Real Estate & Established Business.

$5,000.00-Deposit, Balance At Settlement Within 30 Days. Subject To Confirmation.

INSPECTION AT ANY TIME, BUSINESS IN OPERATION TILL SALE TIME.

HARRY RUDNICK & SONS, INC.
AUCTIONEERS & REALTORS OF GALENA, MD.
1-301-648-5601

250-350 HEAD SPECIAL HORSE SALE WORK HORSES-MULES & DRIVING HORSES

FRIDAY JANUARY 10, 1986

Tack 9:00 A.M.
Sale 10:00 A.M.

AT NEW HOLLAND SALES STABLES, INC.

12 Miles East of Lancaster, Pa. just off Rt. 23, New Holland, Pa.

- 2 Load Work Horses and Mules consigned by Ward Wright.
- 1 Load Work Horses and Mules consigned by Norman Kolb.
- 1 Load Work Horses consigned by Tom Collins.
- 1 Load Work Horses consigned by Jim Howard.
- 1 Load Work Horses and Driving Horses consigned by Bub Leonard.
- 1 Load Driving Horses consigned by Clayton Waterbury.
- 1 Load Driving Horses consigned by Jonas Beiler.
- 1 Load Driving Horses consigned by Reuben G. Stoltzfus.
- 1 Load Driving Horses consigned by Elam B. Stoltzfus.

Plus many more consignments by sale time.

For more information contact:
Abe Diffenbach, Mgr. 717-354-4341
Norman Kolb 717-397-5538
Next Horse Sale Fri. Jan. 24

Dairy and Livestock Sales

AUCTIONS

JANUARY 22ND - 11:00 a.m. 21 ACRES in Goochland County (Rock Castle Area), Hog Farrowing/Finishing Barn & Lagoon, Tenant House, Machine Shed. Grain Bins and Elevator Sell Separately. William L. and Sandra Hicks, Owner.

JANUARY 31ST - 122 Fresh and Close Springing Holstein Heifers- 103 REGISTERED - The Fresh Heifers on December Test Milked from 50 to 80 lbs. Also Selling Two Service-Age Bulls, Featuring 18-year-old Son of Valiant and Shadowcliff RA Gina, EX-97. Sale at "The Udder Place", Redfield Farm, Inc., Amelia, Virginia.

FEBRUARY 21ST - COMPLETE DISPERSAL-226 HOLSTEINS AND GUERNSEYS. E. Lyle Clark, Jr., Stuart, Va.-77 Holstein Cows (50% Registered), Rolling Herd Average 17,877m 612f. 30 Registered Guernseys, Rolling Herd Average 13,908m 4.6% 637f- Consistently One of the Highest Producing Herds in Virginia. 119 Heifers, All Ages, Both Breeds. VIRGINIA MILK BASE - 87,229 LBS.

804-644-LAND
OWNBY AUCTION & REALTY CO. INC
BROOK ROAD RICHMOND VIRGINIA

PUBLIC AUCTION

FARM MACHINERY
HAY, SILAGE
1976 FORD PICKUP
FRIDAY, JAN. 10, 1986
Auction At 10:00 A.M.

LOCATION: From Blue Ball take Rt. 23 East to Rt. 625. Turn left onto Rt. 625, go approx. 1½ miles to farm on left. East Earl Township, Lancaster County.

FARM MACHINERY

J.D. 4020 D. (W) Excellent Rubber, Wts, Nice Shape; J.D. 2120 D (W) No. 146 Loader; Oliver 4 B. Hyd Rest Plow (W) Extra 5th Bottom; IH No. 45 12" Transport Field Cult. (W) Wings 18' Total Width; Brillion 12' Transport Cultimulcher; J.D. 11' RW Disc. Transport; J.D. No. 1240 Corn Planter (W) Monitor & Double Disc Openers; J.D. 1240 Planter For Parts; Pittsburgh 4 R. Cultivator; IH No. 56 Blower; NH No. 479 Haybine; J.D. 640 Hay Rake; Vicon 5 Wheel Rake; NH 273 Baler, (W) Thrower; Little Giant Elevator 32'; (2) 16' Hay Wagons (W) Racks; Stauffer Forage Wagons; 200 Gal. Pull Type Field Sprayer; MF 7' Dyno Balance Sickle Bar Mower; NHS 676 Tandem Axle Manure Spreader; JD 790 Flail Spreader Right Side Unload; 3 Pt. Bale Mover; Pair Of 18.4x34 Duals Fits On 4020; SURGE 25 KW GENERATOR.

1976 FORD PICKUP TRUCK ¾ TON

8' Bed, 8 Cyl., Auto. Nice Cond' 8' Pickup Racks; 8' Alum. Topper; 60' Silo Pipe 9" W Goose Neck; 10 Pipe Gates All Sizes; 4 Circulating Fans; 24" Exhaust Fan; (2) Surge Bug Killers; 2 Round Hay Rakes; 2 Sq. Hay Rake; (2) 275 Gal. Fuel Tanks With Pumps; 1 Fiber Glass & 1 Steel Mineral Lick Wheel Feeders; 2 Outside Mineral Feeders; 2 Silage Carts; Ap. 20 Tons Second Cutting Alf. HAY; Approx. 35 Tons SILAGE; (4) Deleval 55 Lb. Milkers (W) Sterling Pulsators; Extra 40 Lb. Pail; Milk Dumping Station; Sunset Tank Washer; 75 T Surge Alamo Milker Pump; Twin Stainless Steel Tubs.

NOTE: DON'T MISS THIS AUCTION! A REAL OPPORTUNITY TO PURCHASE FARM MACHINERY IN NICE COND.

FOOD STAND

Terms By:
MERVIN & ANNA MAE MARTIN

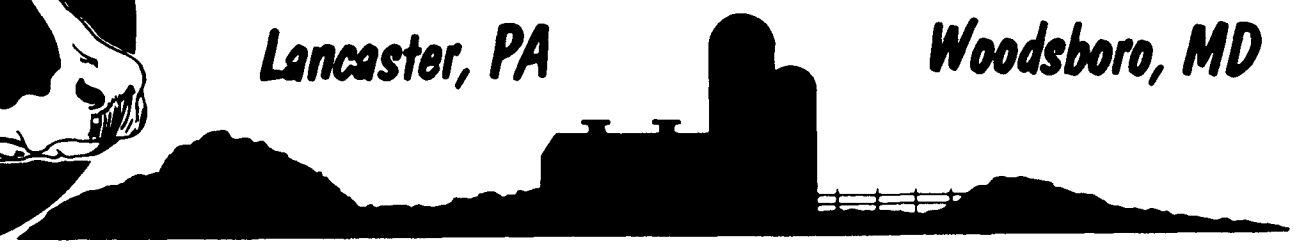
AUCTON CONDUCTED BY
Randal V. Kline, Lloyd Kreider
Roy Good Jr., Auctioneers
AU-0002116-L

KLINE & KREIDER AUCTIONEERS

R.D.1, Denver, Pa. 17517

MELVIN KOLB, INC.

Lancaster, PA — Woodsboro, MD



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400 - 500 Springers & Fresh Cows On Hand.
Good Selection Of Purebred - Grade Cows & Heifers.

We Try To Pick The Top Ones From The Better Herds.

3 Trailer Loads of Fresh Grade & P.B. Milk Cows From N.Y. State.

2 Trailer Loads of P.B. & Top Grade Milk Cows From New England States.

3 Trailer Loads of Fancy 1st Calf Heifers from Maine.

- Purebred Fresh Cows
- Purebred Springing Cows
- Grade Fresh Cows
- Grade Springing Cows
- Purebred Fresh Heifers
- Purebred Springing Heifers
- Grade Fresh Heifers
- Grade Close Springing Heifers
- Short Bred Heifers
- Open Heifers
- Purebred Stock Bulls
- Grade Stock Bulls

• *TWO LOCATIONS TO SERVE YOU* •

LANCASTER, PA
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NEXT SALE 150 HEAD
THUR., FEB. 6
11:00 A.M.

WOODSBORO, MD
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NEXT SALE 150 HEAD
THUR., JAN. 16
11:00 A.M.

★ Quality Holstein Herds For Sale ★
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Call Collect 717-569-6800/2106 for further details.

Code 8

FEDERATED GENETICS

Federated Genetics and Code 8—a new name, a new look, a new opportunity for your herd's genetic future. This newly-formed AI Federation is backed by the experience and reliability of three well-established names in the AI industry. **Atlantic Breeders Cooperative** of Lancaster, Pennsylvania; **Eastern AI** of Ithaca, New York: and **Louisiana Animal Breeders** of Baton Rouge, Louisiana have joined forces to provide a stronger roster of active sires, broader young sire sampling and an extensive national and international marketing program.

Watch for Code 8 sires in the January 1986 proofs and take advantage of the expanded opportunities for your herd's future with Federated Genetics.

Atlantic BREEDERS COOPERATIVE

PARTNER IN FEDERATED GENETICS

JOHANNING'S
Family Store

2460 New Holland Pike, Lancaster, PA 17601
¼ Mile West of Meadowbrook Farmers Market, Rt. 23, Leola
(717) 656-3700 or (717) 291-4420
Hours: Mon.-Fri. 8 AM - 8 PM; Sat. 8 AM - 5 PM

If an advertised item is not available for purchase due to any unforseen reason, Johanning's will issue a rain check for the merchandise to be purchased at the sale price whenever available. We reserve the right to correct printing errors and to limit quantities.

STOCK UP NOW

PA. FARM SHOW SPECIALS

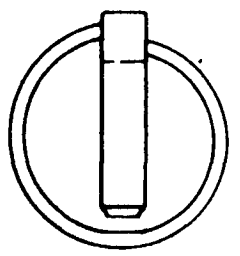
NOW THROUGH JAN. 18, 1986

QUAKER STATE® MOTOR OIL
10W30 or 10W40

The Big Q Stands For Quality. Always Has. Always Will

Reg. $1.29
FARM SHOW SPECIAL ..... 99¢ Qt.

LYNCH PINS

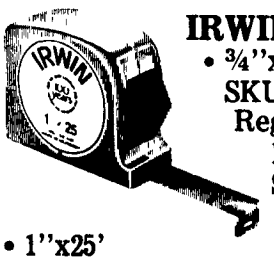


2700 7/16" Short
SKU 75248

Reg. 29¢ ea.

FARM SHOW SPECIAL
6 For 96¢

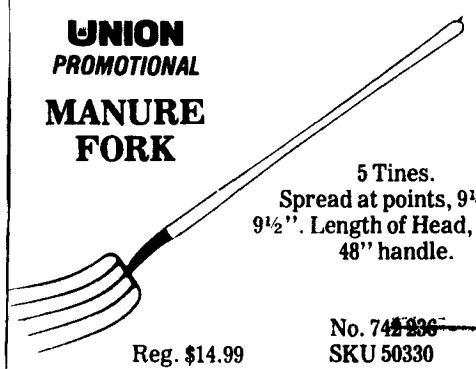
IRWIN TAPE MEASURES



- ¾"x16'
  SKU 49500
  Reg. $7.99
  FARM SHOW SPECIAL $4.99
- 1"x25'
  SKU 49501
  Reg. $10.99
  FARM SHOW SPECIAL..... $6.99

UNION
PROMOTIONAL

MANURE FORK



5 Tines.
Spread at points, 9¼" - 9½". Length of Head, 12½". 48" handle.

Reg. $14.99
No. 74~~2836~~
SKU 50330

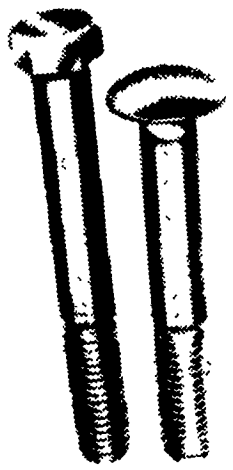
FARM SHOW SPECIAL $10.99

UNION
STANDARD

DH ALUMINUM SCOOP SHOVEL
SKU 50160

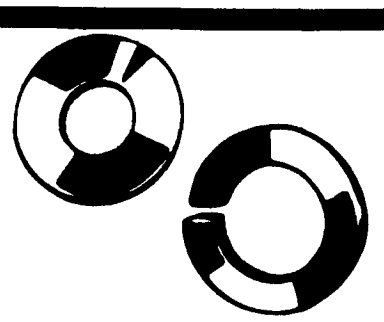
#14 size 15¼"x19¾" blade. Etched finish Blade thickness 077 .27" "D" handle Order No 531367

Reg. $21.99
FARM SHOW SPECIAL $13.99



BOLTS NUTS WASHERS

Zinc Plated



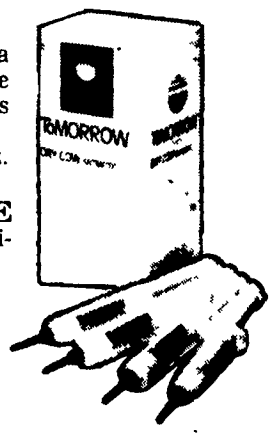
Reg. 99¢ Lb.

FARM SHOW SPECIAL ..... 79¢ Lb.

MASTITIS TREATMENT

TODAY MASTITIS
One-day mastitis control. Today (sodium cephapirin) contains a revolutionary new cephalosporin antibiotic not previously available in a mastitis syringe. A single day's treatment-just two infusions 12 hours apart-clears infections due to susceptible organisms.
Order No. 312-064980 Ship Wt. 1 lb. 4 oz.

TOMORROW DRY COW SYRINGE
An important advance in dry cow therapy! The broadest single antibiotic coverage available in dry cow therapy.

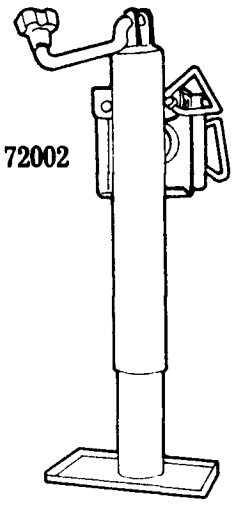


Reg. Price...$17.09 per box
FARM SHOW SPECIAL ..... $13.99 Per Box of 12

IMPLEMENT JACKS

Model #10-T

SKU 72002



Reg. $23.49

FARM SHOW SPECIAL
$17.49

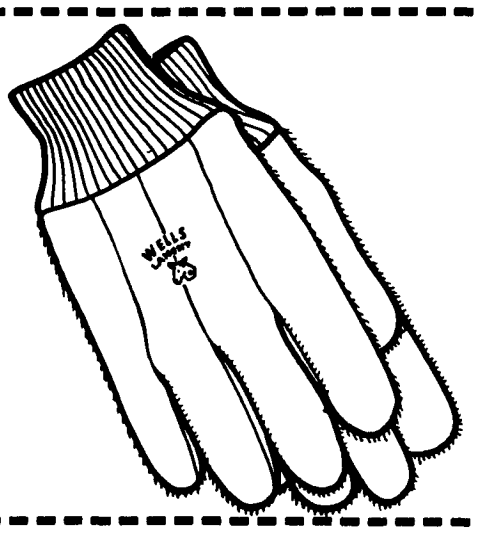
See Other Styles On Page 4

Servus
RUBBER PVC BOOTS
Brown

Sizes: 3-13

Reg. $11.99

FARM SHOW SPECIAL $8.99

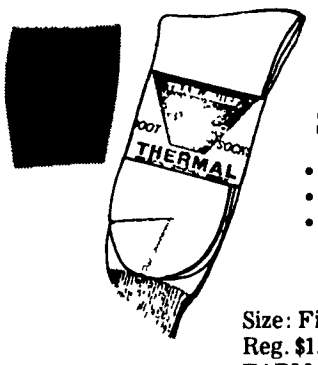


FREE
With Coupon

One Pair Of YELLOW CHORE GLOVES

JOHANNING'S
Family Store

PA FARM SHOW
SPECIALS ON CLOTHING



13 oz. Full Terry THERMAL STRETCH SOCKS

- Natural w/Red Top
- 12" Boot Sock, Mid-Calf
- Elastic Top - 73% Cotton, 16% Nylon, 11% Orlon Acrylic

SKU 60091

Size: Fit 10-13
Reg. $1.79
FARM SHOW SPECIAL $1.19

MEN'S HEALTH KNIT THERMAL UNDERWEAR

50% Cotton
50% Polyester
Thermal King Circulation Knit

SHIRTS OR DRAWERS
YOUR CHOICE

- S-M-L-XL Reg. $4.49 — **$3.49**
- 2X, 3X, 4X Reg. $5.99 — **$4.99**

SAVE $$$$$ ON Grips GLOVES!

WELLS LAMONT GLOVES

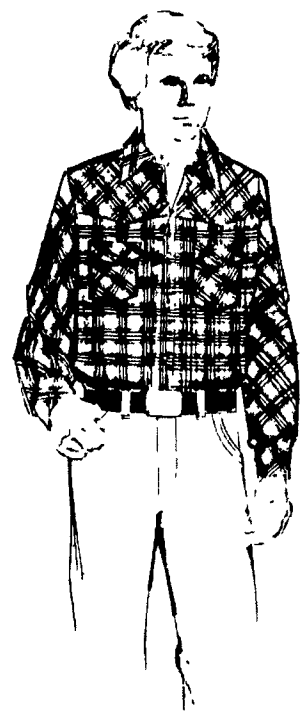
- Tough split leather GRIPS Pile lined
- GRIPS patented, precurved design hugs natural contours of the hand
- Extra strip of leather sewn to palm
- Sewn with super tough Flexion thread
- Warm, soft Pile lining 85% polyester/ 15% cotton

- Med. & Large Size SKU 64120 Reg. $10.99 ..... **$8.99**
- Giant Size SKU 64121 Reg. $12.49 ..... **$10.49**

key QUALITY

Lined BROWN DUCK COVERALLS

- Sizes S-M-L-XL Reg. $48.39
  FARM SHOW SPECIAL — $39.99
- Sizes XXL Reg. $52.99
  FARM SHOW SPECIAL — $44.99



MEN'S FLANNEL SHIRTS

25% SAVINGS

Sizes: S-M-L-XL-2X-3X
Regulars & Talls

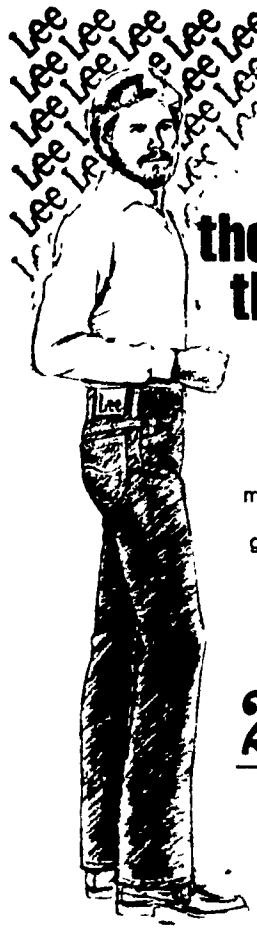
Quilted and Unquilted

SEASON CLEARANCE

No Rainchecks

LEE JEANS

MENS



Lee

Still the Classic for the American Man

Genuine LEE jeans Designed with the quality, simplicity and durability that the American man demands. Made with 100% cotton denim, LEE jeans look great and fit right for as long as you wear them Which will be a long time, because Lee has been putting their brand on genuine jeans since 1889 LEE jeans — an American classic

25% OFF

ALL MENS LEE JEANS
Sizes: 30x30 - 50x32
No Rainchecks

WOMENS

Ms Lee

Great Jeans Are Always in Style

Changes come and changes go, but Ms Lee genuine jeans are always in style Designed with the fashionable fit that frames your curves comfortably and sensationally Famous for clean, classic styling, LEE RIDER STRAIGHT LEGS are always sleek, always smart, and still the number-one-selling ladies jean In bleached or dark indigo blue, all junior and misses sizes

25% OFF

ALL WOMENS LEE JEANS
Misses Sizes: 6-42
Jr. Sizes: 3-15
No Rainchecks

CHILDRENS

Lee®
The brand that fits.™

25% OFF

ALL CHILDRENS LEE JEANS
Sizes: 4-14, Reg. & Slims
No Rainchecks

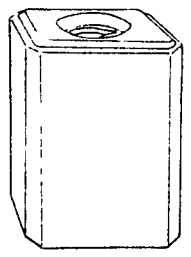
JOHANNING'S Family Store

PA FARM SHOW SPECIALS In Our FARMING DEPARTMENT

Durex ANTI-FREEZE/ COOLANT

Reg... $3.79/Gal.

FARM SHOW SPECIAL..... $3.29/GAL.



50 LB. WHITE SALT BLOCK

Reg. $3.99

FARM SHOW SPECIAL .. $3.20

80 LB. SOLAR SALT

Reg. $4.49 71530

FARM SHOW SPECIAL $3.99

50 LB. MILK REPLACER

	Reg.	SALE
• 24-10, 72135	$19.00	$15.50
• 20-20, 72140	$24.88	$22.00
• Acidized, 72145	$33.63	$28.50

Pfizer

COMBIOTIC® INJECTABLE ANTIBIOTIC

100 ml Bottle

Reg. $8.00

FARM SHOW SPECIAL..... $5.89

TERRAMYCIN SOLUBLE POWDER

6.4 oz.

• Foil Pkt.

Reg. $3.09

FARM SHOW SPECIAL $2.19

SUSTAIN III™

CALF BOLUS

Sulfamethazine Sustained Release Calf Bolus

ANTIBACTERIAL

AGRIpharm

MULTIFOODS, MINNEAPOLIS MN 55402

CONTENTS: 25 BOLUSES

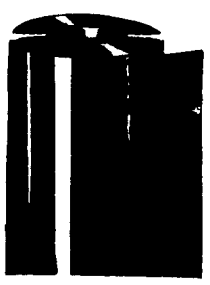
SEE CAUTIONS AND WARNINGS ON SIDE PANEL

Reg. $18.59

FARM SHOW SPECIAL..... $14.85

BLACK POLYETHYLENE SILAGE COVERS

6 Mil. Thickness



	SALE	Reg.
• 20x50 71740	$21.99	$26.09
• 24x100 71720	$46.13	$56.79
• 32x100 71725	$59.22	$75.79
• 40x100 71730	$69.99	$89.39

SUPER STRENGTH UDDER TOWELS

Great Heavy Duty Towel For Putting Pails A Proven Product!

BAY WEST MOSINEE DARI TOWELS

• Natural, 2000 Count
Reg. $18.09 SALE $14.99

• White, 2016 Count
Reg. $18.89 SALE $15.99

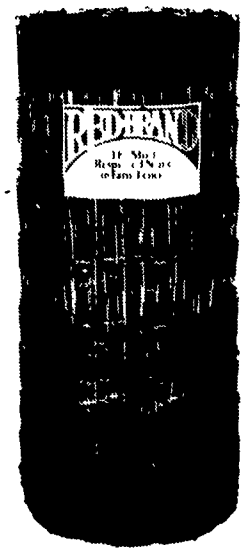
SCHLUETER DAIRY TOWELS

• 4000/Case
Reg. $34.69 SALE $28.99

KEYSTONE FENCE

RED BRAND® The most respected name in farm fence®

STUDDED STEEL POST



• 1047-6-11
Reg. $137.69

FARM SHOW SPECIAL

$109.00

• 1047-6-9
Reg. $140.79

FARM SHOW SPECIAL

$119.00

• 6 Foot
Reg. $2.49

FARM SHOW SPECIAL

$2.15

• 7 Foot
Reg. $3.09

FARM SHOW SPECIAL

$2.78

JOHANNING'S Family Store

PA FARM SHOW SPECIALS In Our FARMING DEPARTMENT

LONG-ACRE BALER TWINE

	Reg	FARM SHOW SPECIAL
• 1-9 Bales	$18.39	$17.39
• 10-24 Bales	$18.09	$17.09
• 25 + Bales	$17.79	$16.79

ROUND BALE TWINE

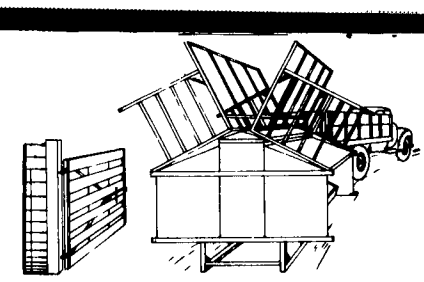
Reg. $20.39 — FARM SHOW SPECIAL... $19.09

CALF CREEP FEEDER

Reg. $465.09

FARM SHOW SPECIAL $418.29

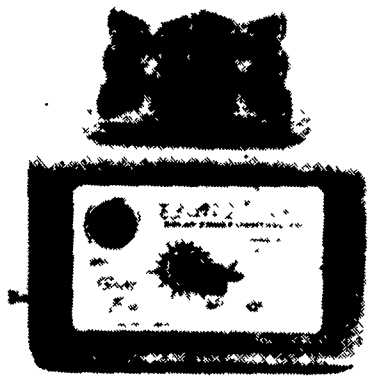
SKU 70202



Hinged Stalls

FENCE CHARGERS

	Reg.	Sale
• Weeder	$43.29	$38.39
• Solar Powered	$135.79	$121.29
• Scorpion	$48.59	$43.24
• Cow Trainer	$40.09	$36.69



ELECTRIC FENCE POSTS

- 3/8" x 48"
- 11/32 x 48"

FARM SHOW SPECIAL..... 49¢

BROWER HOG FEEDERS

15 Year Guarantee On Brower Hog Feeders

	Reg.	SALE
• 85 Bu. Hog Feeder	$340.18	$319.95
• 65 Bu. Feeder	$318.89	$299.95
• Rectangular Hog Feeder, 16 Hole	$372.99	$339.95

LB-85

IMPLEMENT JACKS

MODELS SMV #10-B & SMV #15-B

• 2000 lbs. rated capacity • Available in two models
SMV #10-B with 10" travel length & SMV #15-B with 15" travel length

Mfg. Part No	Description	SKU	Reg. Price	SALE PRICE
10-B	Screw Jack	72001	23.49	$21.39
15-B	Screw Jack	72003	26 79	$23.99

MODELS SMV #10-T & SMV #15-T

• 2000 lbs. rated capacity • Available in two models
SMV #10-T with 10" travel length & SMV #15-T with 15" travel lengths

Mfg. Part No.	Description	SKU	Reg. Price	SALE PRICE
10-T	Screw Jack	72002	23.49	$17.49
15-T	Screw Jack	72004	26.79	$23.99

HEAT LAMPS

- 250 Watt
- Clear Lens

71890

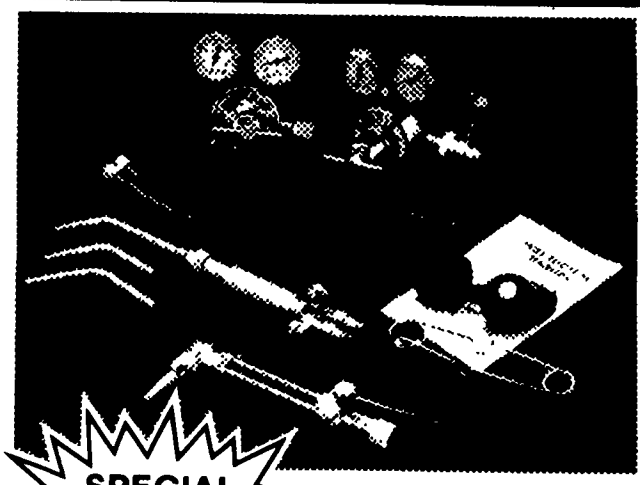
Reg. $1.49

FARM SHOW SPECIAL $1.21

BARBED WIRE

U.S.A. Made
- 12½ Gauge
- 4 Point

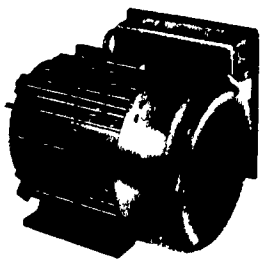
FARM SHOW SPECIAL..... $22.99 Per Roll



SPECIAL $130.99

Oxy-Acetylene Torch Kit

CENTURY FARM-RATED MOTORS



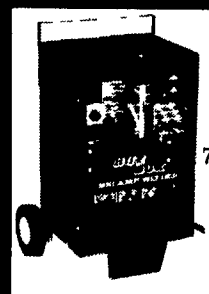
• High Starting Torque • Continuous Duty • 40° C Ambient • Reversible • Ball Bearing • Totally Enclosed Fan-Cooled • Manual Reset Overload Protectors • Removable Condensate drain plug
Designed for barn cleaner, silo unloader, stock feeding conveyor and other heavy duty applications.

		Reg	FARM SHOW SPECIAL
• 31555	5 HP	$306.69	$279.99
• 31550	3 HP	$242.69	$209.99
• 31545	2 HP	$217.09	$189.99

TRACTOR TOOL BOXES

10% OFF Regular Price

CENTURY WELDERS



235 AC WELDER

70524

Reg. $163.99

$143.95

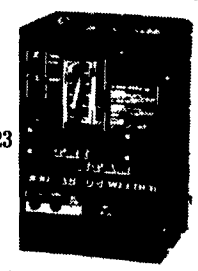
Stock No 110-110-001 (shown with optional Wheel Kit)

235 AC/DC WELDER

Reg. $286.39

$251.86

70523



Stock No 110-114-001

JOHANNING'S
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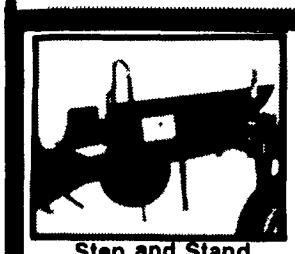
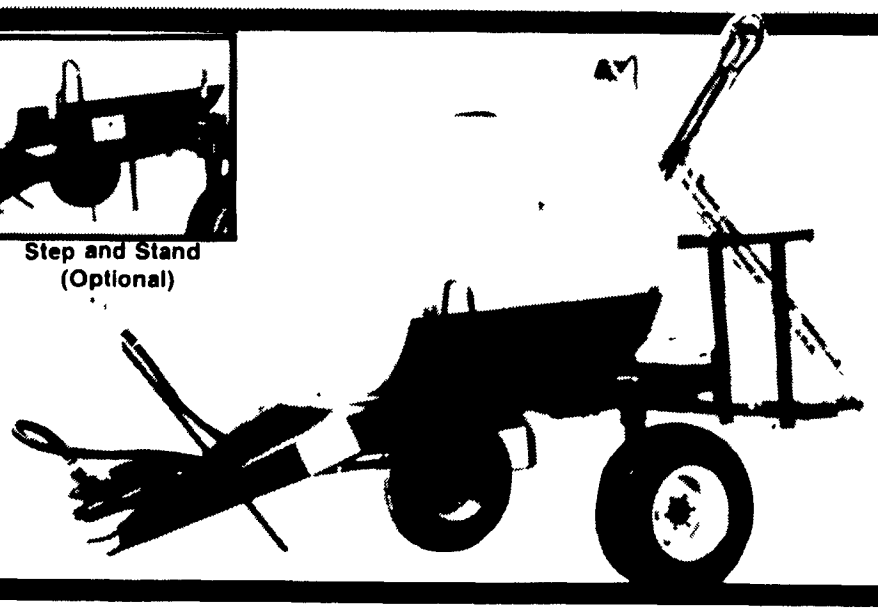
PA FARM-SHOW SPECIALS In Our FARMING DEPARTMENT



Step and Stand (Optional)



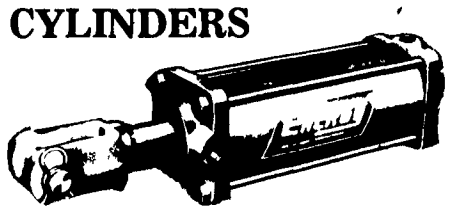
SPRAYERS

THE BIG BOY 500 GALLON MODEL

MODEL DQL500P8A-RNA
w/FBT12RNA Boom
Weight Approx. 1130 lbs.

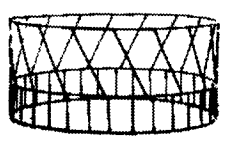
	Reg.	SALE
• 500 Gal. Sprayer, Less Tires & Pump	$1,440.00	**$1,360.00**
• 300 Gal. Sprayer, Less Tires & Pump	$1,060.00	**$960.00**
• 55 Gal. Sprayer, 3 Pt. Less Pump	$412.00	**$359.00**
• 55 Gal. Lawn Sprayer	$599.00	**$559.00**
• 25 Gal. Lawn Sprayer	$499.00	**$459.00**

ENERGY HYDRAULIC CYLINDERS



Size	Reg.	Sale
2x8	45.79	**38.92**
3x8	54.79	**43.99**
3x16	70.49	**59.92**
3½x8	66.09	**53.99**
3½x16	77.69	**66.04**
4x8	81.59	**69.35**
4x20	106.69	**90.69**
4x24	130.69	**111.09**

APPLEGATE LIVESTOCK GATES AND ROUND BALE FEEDERS



	Reg.	SALE
• 4 Ft. Feeder Gate w/Frame	$61.09	**$56.89**
• 8 Ft. Feeder Gate	$49.79	**$46.69**
• 10 Ft. Feeder Gate	$56.99	**$51.39**
• 10 Ft., 2" Tube Gate	$60.09	**$56.19**
• 14 Ft., 2" Tube Gate	$74.79	**$68.77**
• 16 Ft., 2" Tube Gate	$85.19	**$79.39**
• Economy 8' Round Bale w/Panel Feeder	$89.08	**$84.02**
• H.D. 8' Round Bale Feeder w/Panel	$96.39	**$89.42**

LIVESTOCK PANELS

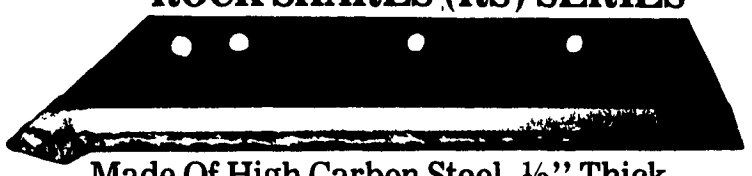
	Reg.	SALE
• 60"x16' Cattle Panels	$15.99	**$14.39**
• 52"x16' Combination Panels	$17.99	**$15.89**
• 52"x16' Stockade Panels	$27.99	**$22.41**

MADE IN U S A

DISC BLADES

Diameter	Shaft Size	Ga.	Reg.	SALE
• 16"	7/8"x1"	11	$5.69	**$4.89**
• 16"	1x1 1/8	11	$6.59	**$4.89**
• 16"	1 1/8"x1¼"	11	$5.69	**$4.89**
• 18"	1x1 1/8	9	$7.99	**$6.89**
• 18"	1 1/8x1¼	9	$7.99	**$6.89**
• 20"	1 1/8x1¼	9	$11.43	**$10.29**
• 20"	1 1/8x1¼	7	$12.69	**$11.29**
• 22"	1 1/8x1¼	7	$15.49	**$14.00**

ROCK SHARES (RS) SERIES

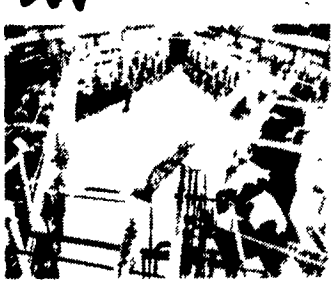


Made Of High Carbon Steel, ½" Thick At Center - Heavier Than Most OEM Shares.

Description	SKU	Reg.	SALE
MI 16-3	70341	$9.99	**$7.79**
MF 14-4	70342	$8.59	**$6.99**
MF 16-4	70343	$9.99	**$7.79**
IH 14-4	70344	$9.49	**$6.99**
IH 16-4	70346	$9.49	**$7.79**
JD 14-3	70347	$8.59	**$6.99**
JD 16-3	70348	$9.49	**$7.79**
JD 14-4	70349	$8.59	**$6.99**
JD 16-4	70351	$9.49	**$7.79**
JD 18-5	70352	$10.98	**$8.79**
JD 18-3	70353	$10.98	**$8.79**
OM 14-4 Right & Left	70354	$8.59	**$6.99**
OC 16-4	70356	$9.98	**$7.99**
OC 16-5	70357	$11.19	**$8.99**
AA 14-4	70358	$9.99	**$7.79**
AM 16-4	70359	$9.49	**$7.79**
AC 16-4	70361	$11.19	**$8.99**
CA 16-4	70362	$9.99	**$7.99**
FF 14-4	70363	$8.59	**$6.99**
FF 16-4	70364	$9.49	**$7.79**
FF 18-5	70366	$10.49	**$8.79**
MI 14-3	70367	$8.69	**$6.99**

NEW

BULK DAIRY PIPELINE AND BULK TANK CLEANER



Bring Your Own Containers

Reinforce Circulation Cleaner And Acid Rinse

- 5 Gals. ..... **$3.40**/Gal.
- 10 Gals. ..... **$3.30**/Gal.
- 15 Gals. or More ..... **$3.20**/Gal.

Heavy Duty Circlean Chlorinated Circulation Cleaner

- 5 Gal. ..... **$4.40**/Gal.
- 10 Gal. ..... **$4.30**/Gal.
- 15 Gals. or More ..... **$4.20**/Gal.

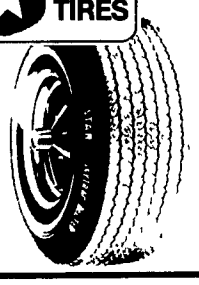
HY-TEK HYDRAULIC HOSE

½" 100R2		• 72" Long	$9 59	3/8" 100R2		
• 18" Long	$3 48	• 84" Long	$10.39	• 18" Long	$3 29	SLEEVED (One Swivel End)
• 24" Long	$4 24	• 96" Long	$12 02	• 24" Long	$3 89	
• 36" Long	$5 81	• 108 " Long	$13 89	• 36" Long	$4.29	
• 48" Long	$7 19	• 120" Long	$14.79	• 48" Long	$6.01	
• 60" Long	$8 29	• 144" Long	$17.39	• 60" Long	$7 11	

JOHANNING'S
Family Store

PA FARM SHOW
AUTOMOTIVE SPECIALS

STAR TIRES

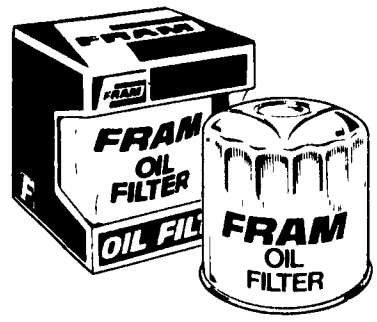


As Low As
$27.99

- Twin Belted Economy
- Seven Wide Ribs
- Free Mounting
- Whitewall

SKYTRAC BELTED

Size	Replaces	Regular	Sale
P165/80B13	A78-13	33 99	27.99
P175/80B13	B78-13	34 99	28.99
P185/75B14	C78-14	36 99	30.99
P195/75B14	D/E78-14	38 99	31.99
P205/75B14	F78-14	40 99	33.99
P215/75B14	G78-14	41 99	35.99
P215/75B15	G78-15	42 99	36.99
P225/75B15	H78-15	44 99	37.99
P235/75B15	L78-15	48 99	41.99

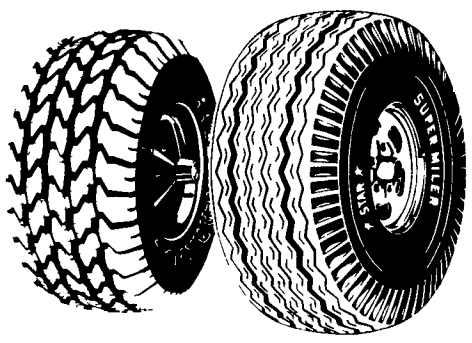


Fram
OIL FILTERS
20% OFF
Our Already Low Everyday Prices

HEAVY DUTY TRUCK TIRES

STAR TIRES

• FREE MOUNTING



TUBELESS RADIAL		
Size	Regular	Sale
8 75-16 5	102 99	87.99
9.50-16.5	111 99	95.99
31x10.50R15	105 99	91.99
7 50-16	104 99	91.99
TUBE TYPE TRUCK		
Size	Regular	Sale
7 00-15	46 99	39.99
7 50-16	61 99	53.99
TUBELESS TRACTION		
Size	Regular	Sale
7 00-15	62 99	54.99
7 50-16	76 99	66.99

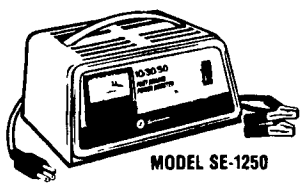
HYDRAULIC JACKS

- 4 Ton Reg. $13.85..... **$8.99**
- 8 Ton Reg. $27.25.... **$19.99**
- 12 Ton Reg. $34.95.... **$25.99**

10/30/50 AMP CHARGER– FAST CHARGER–STARTER BOOST

Three Chargers in One!

by Schumacher



MODEL SE-1250

Reg. $49.99

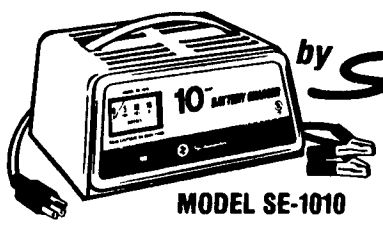
FARM SHOW SPECIAL

$40.99

• 10 amp output recharges auto size lead acid batteries in 3-5 hours 12 volts fast charge booster • 30 amp fast charge increases battery power quickly • Output increases from 30 to 50 amps when cranking engine • Two years limited warranty

10 AMP MANUAL BATTERY CHARGER

by Schumacher



MODEL SE-1010

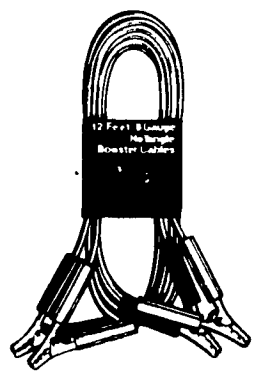
Reg. $32.99

COMPACT, HIGH RATE 10 AMP BATTERY CHARGER FOR RECHARGING 6 AND 12 VOLT AUTOMOBILE BATTERIES IN 3 TO 5 HOURS

FARM SHOW SPECIAL

$26.99

12 Ft./10 Gauge All Copper



BOOSTER CABLES

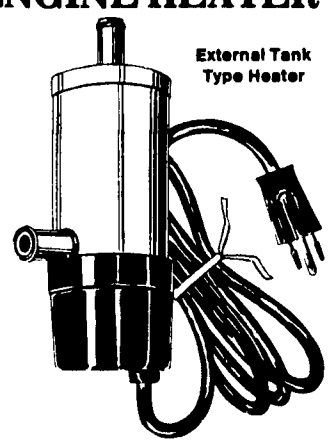
#81 SKU 17414

Reg. $8.99

FARM SHOW SPECIAL.... $5.99

1500 WATT ENGINE HEATER

SKU 17502
Reg. $19.99
$15.99



External Tank Type Heater

2000 WATT MODEL

SKU 17504
Reg. $27.99
$23.99

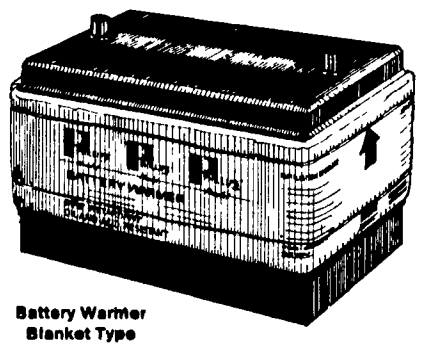
BATTERY WARMER BLANKET

- SKU 17490 Reg. $14.99

$11.99

- SKU 17492 Reg. $16.99

$13.99



Battery Warmer Blanket Type

12 Ft./8 Gauge

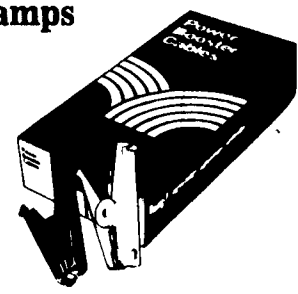
POWER BOOSTER CABLES

w/Heavy Duty 400 AMP Clamps

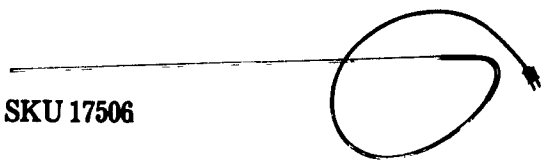
SKU 17416

Reg. $14.89

$9.99



FLEXIBLE DIPSTICK HEATER



SKU 17506

Reg. $6.49

FARM SHOW SPECIAL..... $4.99

STARTING FLUID

Reg. $1.39

FARM SHOW SPECIAL

95¢

WINDSHIELD WASHER ANTI-FREEZE

Safe To -20° F

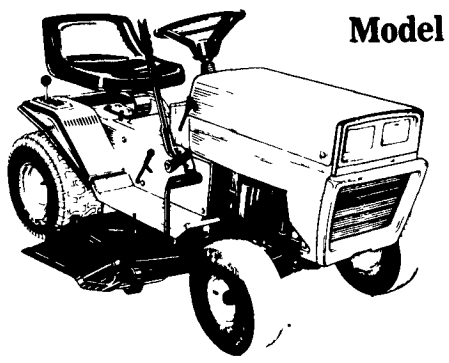
Reg. $1.19

FARM SHOW SPECIAL..... 89¢ Gal.

JOHANNING'S
Family Store

PA. FARM SHOW
LAWN & GARDEN LAY-AWAY SALE
10% Down Holds Your Purchase Until April 1st

RANCH KING
11 HP/38" Cut/7-Speed
Model 135-668-205

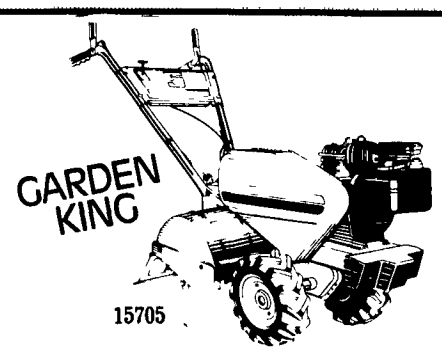


Reg. $1,049

FARM SHOW SPECIAL

$899.00

- 15.00"x6.00" tubeless front tires
- 18.00"x9.50" tubeless rear tires
- 11 HP B & S engine, 24.36 cu. in., synchro-balanced
- 12-volt alternator/starter
- Safety interlock system
- 7-speed Transmatic®
- Two belt driven 19" blades
- 5-position cutting height adjustment
- Headlights and ammeter



15705

5 HP Reverse Direction Tines (RDT)
Model 215-404-205

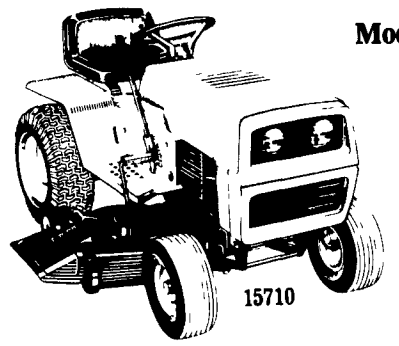
- 18" Width • Reverse-direction tine operation
- Adjustable side panels to control overspill of soil
- Zero turning radius — ratchet assembly in wheels
- 3-step chain reduction tine drive
- 4-step chain reduction wheel drive
- Independent wheel and tine engagement
- 12.00"x4.00" pneumatic tires, tractor lug tread
- 5 HP B & S engine, 12.57 cu. in.

Reg. $549.00

FARM SHOW SPECIAL **$499.00**

MTD RANCH KING GARDEN TRACTOR

Model 145-834



15710

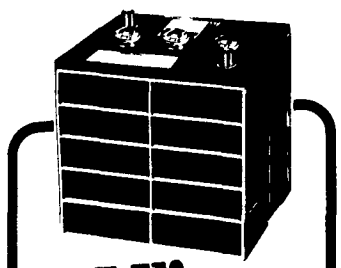
- 18 HP B&S Cast Iron Sleeve, Twin Cylinder Engine
- 23.00x9.50 Rear Tires
- 4 Speed Cast Iron Transaxle
- Full Range Of Accessories

Reg. $1,799

FARM SHOW SPECIAL

$1,599.00 Complete w/44" Mower Deck

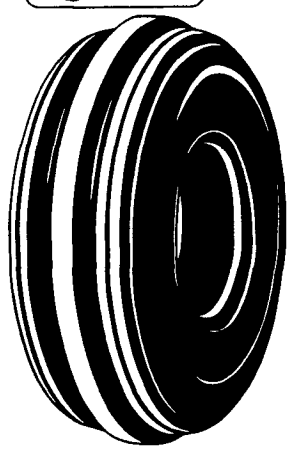
FARM TRACTOR BATTERIES



SALE!
FARM TRACTOR BATTERIES

Group Size	Warranty	C.C.A.	Reg. w/Trade	SALE w/Trade
1DT	36	585	$ 37.99	**$29.99**
2DT	36	625	$ 42.99	**$38.99**
3DT	36	625	$ 45.99	**$41.99**
4DT	36	760	$ 54.99	**$49.99**
4D	24	630	$104.99	**$94.99**
5DA	24	830	$ 59.99	**$53.99**
7D	24	985	$ 74.99	**$67.99**
30HDT	24	525	$ 59.99	**$53.99**
3EHDT	24	830	$ 58.99	**$53.99**
4EHDT	24	930	$ 69.99	**$62.99**
3ETDT	24	460	$ 58.99	**$53.99**
4DLT	24	750	$ 96.99	**$87.99**
16TF-DC	24	600	$ 99.99	**$89.99**
17TF-DC	24	510	$ 75.99	**$68.99**
3EEDT	24	340	$ 47.99	**$43.99**
60D	48	385	$ 47.99	**$43.99**
31x7	24	625	$ 72.99	**$65.99**

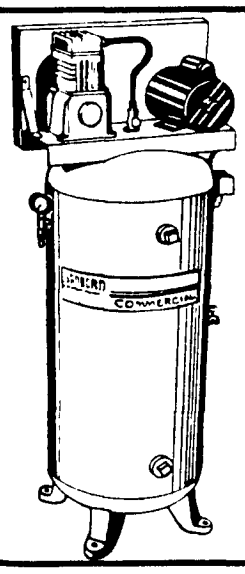
STAR TIRES



HI-RIB FARM FRONTS

- Nylon Cord Body
- Hi Flotation
- Positive Steering

SIZE	PR	REG PRICE	SALE PRICE
TUBE TYPE, NYLON			
4 00-15	4	$27 99	$23 99
5 00-15	4	$31 99	$27.99
7 5L-15	6	$50 99	$44.99
11L-15	6	$78 99	$70.99
5 50-16	4	$36 99	$32.99
5 50-16	6	$41 99	$36.99
6 00-16	4	$37 99	$33.99
6 00-16	6	$42 99	$37.99
6 50-16	6	$45 99	$40.99
7 50-16	8	$57 99	$51 99
10 00-16	8	$82 99	$73.99
11 00-16	8	$104 99	$92.99



SANBORN AIR COMPRESSORS

5 H.P. 60 GALLON
Vertical
AIR COMPRESSOR
70648

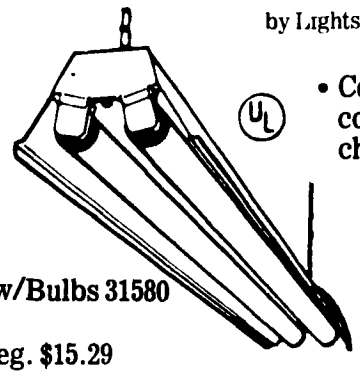
- Cast Iron Sleeve Twin Compressor
- 15.1 CFM Displacement
- Belt Guard

Reg. $599.95

FARM SHOW SPECIAL

$539.95

SHOP LIGHT
by Lights of America



- Complete with cord, plug and chain hanging kit

w/Bulbs 31580 Solid State

Reg. $15.29

NOW...$11.99
AFTER $2.00 REBATE..... $9.99
Rebate Good Till Jan. 15, 1986

DUSK TO DAWN SECURITY LIGHT
By Phillips

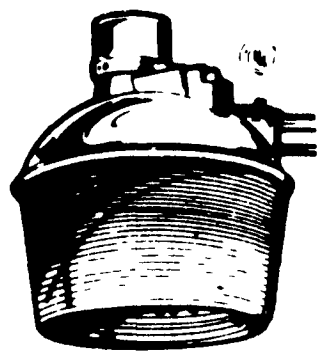
Dusk To Dawn

- 175 Watt Mercury Vapor Lamp

30860

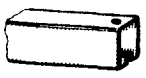
Reg. $34.95

$29.99



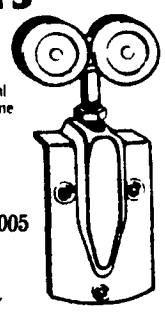
Hangers protect sliding doors

Hang wood frame sliding doors with National's heavy gauge, flexible and adjustable trolley hangers. Hinged joints minimize damage from wind or bumps. Lifetime wheel bearings never require lubrication



No. 5005

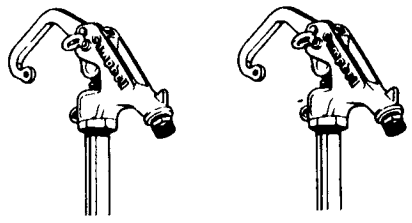
No. 51 Trolley Rail of heavy steel provides a perfect, even tread for hanger wheels



NATIONAL

- SKU 22191 HANGER
  Reg $21 19
  NOW.. . . . . **$14.99**
- SKU 24715, 8' Rail
  Reg $19 39 NOW **$15.99**
- SKU 22185, 10' Rail
  Reg $24 19 NOW **$19.99**
- SKU 22190, 12' Rail
  Reg $28 99 NOW **$23.99**

We Have Everything In Stock Needed To Make Complete Track



Campbell
water system products

YARD HYDRANTS

- 4 Ft., #28977
  SALE... **$29.99**
- 3 Ft., #28976
  SALE... **$27.99**

RUST-OLEUM® IMPLEMENT PAINT

RUST-OLEUM
STOPS RUST!

PROTECTIVE COATINGS

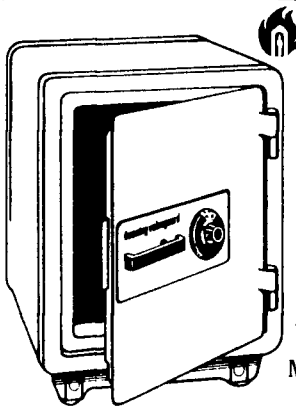
Don't Just Paint With It... Protect With It

JD, IH, Ford, Allis, Caterpillar

- 13 oz. Spray ..... Reg. $3.59 ..... **$2.99**
- Qt. ..... Reg. $5.99 ..... **$4.99**

JOHANNING'S
Family Store

PA FARM SHOW
SUPER BUYS



sentry valueguard® safes
BECAUSE EVERYONE HAS SOMETHING TO LOSE

- 2,340 Cubic Inch Capacity
- 4" Locking Bolt
- Weighs 160 Lbs.
- Inside Dimensions: 15"x12"x13" Deep

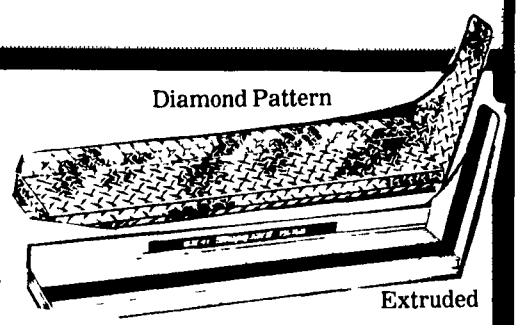
Reg. $149.95

Model 1330

FARM SHOW SPECIAL..... $124.95

RUNNING BOARDS
For Your Van Or Pickup
Leader In Style and Protection

Running boards pay undreamed of dividends. Convenience alone makes the investment worth it all; but remember the four-way benefit, and choose the right running board for your truck or van now.



FOUR-WAY BENEFIT
1. Add Style
2. Safe & easy entry/exit
3. Protection from stones, salt and mud
4. Increased trade-in value

In Stock For Most Chevy, Ford, Datsun, Dodge, Jeep, Toyota, Mazda, Volkswagon, Pickups & Vans

DIAMOND PATTERN		EXTRUDED	
• Pickups	$59.99 Reg $79 99	• Pickups	$59.99 Reg $79 99
• Suburban	$99.99 Reg $124 99	• Suburban	$99.99 Reg 124 99
		• Vans	$109.99 Reg 134 99

TRACTOR LIGHTS
6 or 12 Volts
Pedestal Mount

Reg...$10.59

FARM SHOW SPECIAL $7.49

HALOGEN TRACTOR LIGHTS
Features:
- Longer bulb life
- Easily replaceable sealbeam
- Rigorous lab & field tested

Reg...$13.99

FARM SHOW SPECIAL $9.99

LubriMatic®

Multi-Purpose LUBRICATING GREASE

Reg. 99¢

FARM SHOW SPECIAL

75¢

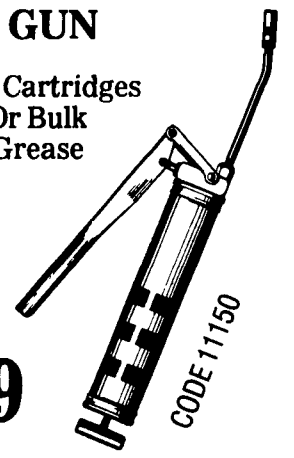
LEVER GREASE GUN

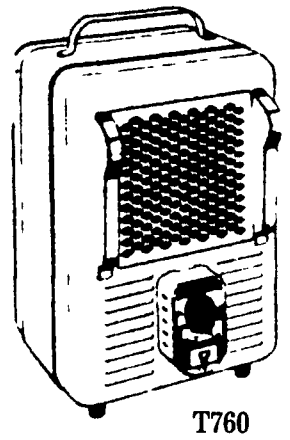
Uses Cartridges Or Bulk Grease

Reg. $6.69

FARM SHOW SPECIAL

$4.49





MILK HOUSE HEATER
by Titan

- 1500 Watts
- Thermostat Control

Reg... $33.99

T760

FARM SHOW SPECIAL $26.99

AUTOMASTER REDDY HEATER
Portable Forced Air Heaters

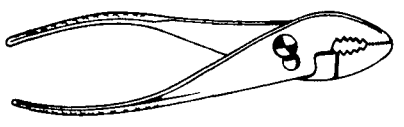
- R50 - 50,000 BTU
  Reg. $199.95
  $169.95
- R70 - 70,000 BTU
  Reg. $249.95
  $219.95

WD 40
Spray Lubricant

- Stops Squeaks
- Protects Metals
- Loosens Rusted Parts
- Frees Sticky Mechanisms

- 9 oz. ..... Reg. $2.09
  FARM SHOW SPECIAL $1.39
- 12 oz. ..... Reg. $2.59
  FARM SHOW SPECIAL $1.89
- Gallon ..... Reg. $10.99
  FARM SHOW SPECIAL $8.99

TRUECRAFT
TRUECRAFT TOOL DIVISION OF DAIDO CORPORATION
Piscataway New Jersey 08854

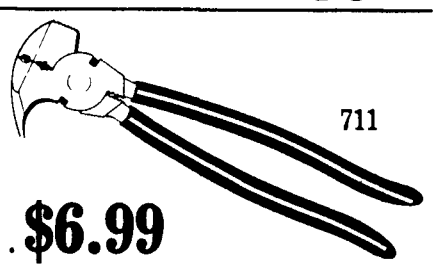


6" PLIERS

Reg... $1.29

FARM SHOW SPECIAL..... 89¢

FENCING PLIERS



Reg. $9.39

FARM SHOW SPECIAL..... $6.99

QUAKER STATE® MOTOR OIL

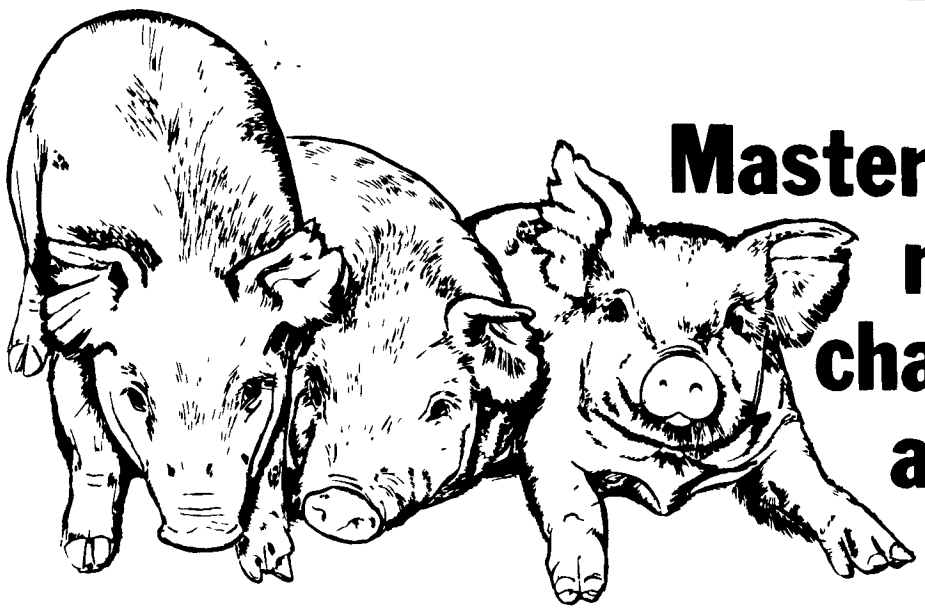
HYDRAULIC OIL

5 Gallons

Reg. $18.99

FARM SHOW SPECIAL

$15.99



Master Mix has made some minor but *important* changes in our Premawean™ and Premapig™ Starting Program

New Premawean™ and Premapig™ Will Give A Slightly Bigger Pig And Improve Feed Efficiency. It Clearly Puts Us At The Top In Young Pig Nutrition.

There Is Just Nothing Better

Challenge Our Program And Put It To The Best Test... On Your Farm. It's Part Of Our Commitment To Provide Our Fine Customers With The Best Products We Know In This Ever Changing Agricultural Environment.

For High Quality Performance In Your Pigs Up To 40 Lbs., Choose Premawean™ And Premapig™ From Master Mix.

Master Mix®

The secret to early weaning.

Premawean & Premapig

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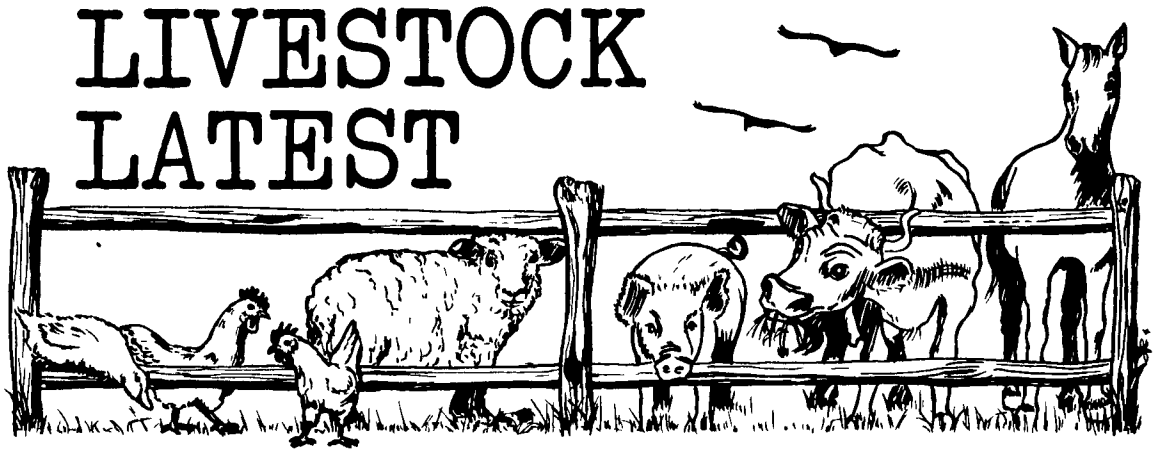
LIVESTOCK LATEST



Berks Co. to offer beef evaluation program

LEESPORT — With grading standards, consumer demands, and today's economics encouraging beef producers to grow a leaner carcass, it is essential they evaluate their animal's carcass qualities. This analysis will help sharpen the judging eye to select the right kind of animal. Feeding programs and breeding genetics can also be analyzed when carcass evaluation is made.

For these reasons, the Berks County Cattlemen's Association and the Penn State Cooperative Extension Service in the southeast invite you to participate in an "On-Foot On-Rail Beef Evaluation Program on Jan. 21, and Jan. 23, at Peters Brothers Meats in Lenhartsville. Lenhartsville is located just Off Route 78 (22) between Hamburg and Allentown.

The live evaluation will take place on Jan. 21 at 7:30 p.m. Animals must arrive at 6:30 p.m. Mr. Larry Marshall, buyer for Moyer's Packing, will help evaluate each animal.

The carcass evaluation will be conducted by Dr. William Henning, Penn State Extension meat specialist, on Jan. 23 at 7:30 p.m. The carcass will be analyzed for loin eye, backfat, quality grade, maturity and yield grade.

Any beef producer in the southeast counties of Pennsylvania is invited to bring one animal. Cost is $10, which will pay your dues for the Berks County and Pennsylvania Cattlemen's Association plus a subscription to the Livestock Breeders Journal.

For an application form, call the livestock Extension agent in your county or contact Clyde Myers at the Berks County Agricultural Center, Leesport, 19533. Phone 215-378-1327.

Drug residues costly for many reasons

ALEXANDRIA, VA. — When federal meat inspectors detect illegal drug residues in a slaughtered animal, that producer's entire shipment may be held until tests show that no illegal residues remain. As a result, money is lost – and few livestock producers can afford to have their profit margin squeezed any tighter.

But there are more far-reaching problems associated with illegal drug residues, notes the Animal Health Institute. On the whole, meat inspectors find very few slaughter animals with illegal residues. But even a few reports of illegal residues tend to erode consumer confidence in the safety of our food supply. That's something no one in the industry can afford.

Many times, illegal drug residues are caused by human error – administering the wrong amount, failing to observe the withdrawal time, and so forth. These mistakes can be avoided by taking a few extra minutes to carefully read and observe what it says on the drug label. That's the message of the "eye-clock" symbol you see on drug packages: "Take time, observe label directions."

Chicken keeps pace with changing lifestyles

WASHINGTON, D.C. — As America adjusts its eating and cooking habits to reflect changing lifestyles, chicken is keeping pace with today's demands for good nutrition and preparation with ease.

Not too many years ago, most chicken was sold whole, the National Broiler Council notes. Then came an era of cut-up chicken, packaged in select parts. Now, in addition to individual parts, consumers may choose from a whole new range of fresh, as well as frozen, chicken products.

Time-consuming cutting and boning have been virtually eliminated by the varied selection of boneless chicken breasts, thighs, nuggets, strips and fillets found in the fresh meat counter. There are also ready-to-cook items like Chicken Kiev and boneless breasts marinated in an Italian sauce or fresh breaded drumsticks and thighs.

The variety of frozen chicken entrees is extensive. Packages of frozen diced chicken meat, chicken breast strips, patties and nuggets are also available. And of course, frozen fried chicken parts.

Chicken franks and chicken bologna are capturing larger shares of that market than ever. Also available are chicken lovers, chicken salami and pastrami and chicken ham. Some companies are marketing chicken sausage patties and researchers predict that new technology will soon make available ground chicken.

Convenience, economy, variety and low fat content are the reasons for the growing importance of chicken in the nation's diet.

Beef cattle booklet available from AAA

ST. JOSEPH, MO — TIME OUT--It's Time to Rethink the Cow Business is the title of a new beef cattle planning booklet, available Jan. 1, from the American Angus Association.

Designed to help commercial cow-calf producers to stop and take a second look at their operations, the 12-page publication features original illustrations by cowboy cartoonist Jerry Palen.

Using Elmo, Palen's famous cartoon rancher, the booklet explores some of the misconceptions that have governed many aspects of the beef cattle industry in recent years.

In the booklet Elmo concludes for example, that single trait selection has actually worked to decrease his overall beef producing ability and cut his income, rather than the opposite.

The booklet, which sells for $1 to cover shipping and handling, will be available from the American Angus Association after January 1, 1986.

Hog/pig numbers drop two percent

HARRISBURG — Pennsylvania hog and pig inventories totaled 780,000 on December 1, according to the Pennsylvania Crop and Livestock Reporting Service. This inventory was down two percent from a year earlier, and 18 percent less than the inventory of 950,000 on December 1, 1983.

Breeding stock, at 85,000 was down six percent from last year. The inventory of hogs for market declined two percent from December 1, 1984 to 695,000. The pig crop for the year, December 1984 through December 1985, totaled 1,071,000, a drop of eight percent. Sow farrowing for the spring pig crop were down 12 percent to 68,000 with an average of 7.8 pigs per litter. For the fall pig crop sow farrowings were down three percent to 66,000 with an average litter rate of 8.2 pigs per litter.

U.S. inventories of all hogs and pigs was estimated at 52.3 million head on December 1. This is three percent below a year ago, and eight percent less than December 1, 1983.

Breeding hog inventory at 6.78 million was two percent below last year and down eight percent from two years ago. The market hog inventory at 45.5 million was three percent below a year earlier and down eight percent from two years ago.

The 41.1 million head on December 1 in the 10 quarterly reported states were down three percent from a year earlier and seven percent less than December 1, 1983. These 10 states account for approximately 79 percent of total U.S. hog and pig inventory.

The U.S, pig crop for the 1985 totaled 86.0 million head, one percent below 1984 and eight percent below the 1983 pig crop.

The December 1984-May 1985 pig crop was slightly up from a year earlier. The June-November 1985 pig crop was two percent less than a year ago. A total of 5.67 million sows farrowed during June-November 1985, three percent below a year earlier. The litter size during this period averaged a record 7.67, compared with 7.54 a year earlier.

U.S. hog producers intend to have 5.59 million sows farrow during the December 1985-May 1986 period, up fractionally from a year ago.

Primary data used in setting these hog estimates were obtained from a sample of farmers across the United States using probability surveys. Information was collected by mail, telephone and personal interviews.

Keep Feed Samples

One of the current buzz words in the poultry industry is monitoring. Fundamentally this is nothing more than keeping track of things that happen. Most poultry producers make observations or maintain records which can be helpful in assessing production problems. These records include information about the feed being utilized. Unfortunately, in most instances, actual feed samples are not available.

Attempting to determine the cause of production problems usually includes having a sample of birds posted at a diagnostic laboratory and making visual observations of conditions in the poultry house. Should the birds receive a clean bill of health from the diagnostic laboratory and no management factor can be determined to have been involved, the production problem is often attributed to the feed, especially in production problems of short duration.

Observations can be made of bird health and poultry house management; however, the feed has probably been consumed and is no longer available for observation and analysis. This is true unless the producer has a monitoring program which includes collecting and maintaining samples from each feed delivery. If feed samples have been maintained from each delivery of feed, they could be submitted for analyses and data would be available to either support or reject the conclusion that feed contributed to the problem.

To be practical, a feed monitoring program must be simple and require a minimal amount of time, but must result in samples that are representative.

The following eight steps prescribe a procedure to monitor feed quality:

1. Purchase one dozen quart jars with lids.

2. Two times per week, collect a sample (one quart) of feed from the auger delivering feed from the bulk bin into the poultry house. This sample should be collected while the auger is running. The quart jar should be passed back and forth under the auger until filled. A definite schedule for sampling should be developed with the samplings at least two and not more than four days apart.

3. Record date and time feed sample was collected, feed type, feed delivery date, feed supplier and other pertinent data on a piece of paper and seal in the jar with the sample.

4. Construct a shelf of sufficient size that the twelve jars can be placed on it in single file. The shelf should be located in a cool, dry place.

5. Place the feed sample on the shelf.

6. The 12 jars will allow accumulation of two feed samples per week for six weeks. They should be placed on the shelf in order of collection (from oldest to most recent).

7. After all 12 jars are filled, the sampling procedure is to empty and clean the jar containing the oldest sample and collect a new sample. Move all the samples on the shelf ahead one position and place the new sample on the shelf. This procedure will assure that the samples are in order with the oldest sample at one end of the shelf and the most recently collected sample at the opposite.

8. After each sample is collected it should be compared to previously collected samples with regards to feed color and texture.

Implementation of this simple feed sampling procedure is an important part of a flock monitoring program. Since most feed-related problems are isolated to individual batches of feed, the feed is often consumed before the problem is recognized. The establishment of a sampling procedure will ensure that a feed sample from a previously delivered load of feed will be available for analysis.

Upjohn prints swine report

KALAMAZOO — "As veterinarians, we have never been at a more productive, more challenging time in the history of veterinary science than we are today."

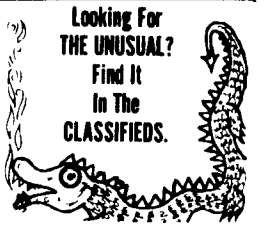
This statement was made by Dr. William Switzer, D.V.M. of Iowa State University at a swine seminar hosted for veterinarians by the Agricultural Division of The Upjohn Company. He is one of several guest speakers now featured in a disease situation report covering that seminar.

The report, "Mycoplasmal Pneumonia In Swine," is now available from the Upjohn Company and features seminar topics on the latest research concerning two of the most costly diseases affecting hogs–swine dysentery and mycoplasmal pneumonia (MPS)–plus an update on methods for controlling swine reproduction schedules.

Speaker presentations on MPS included in the report are: Dr. William Switzer, Iowa State University, "The Effect of MPS on Respiratory Efficiency;" Dr. Charles Armstrong, Purdue University, "Criteria for Diagnosis of MPS of Swine;" Dr. Carlos Pijoan, University of Minnesota, "The Economics of Respiratory Disease Association Between Enzootic Pneumonia and Performance;" and Dr. James VanBuren, The Upjohn Company, "Tissue Penetration of Lincomycin."

Also included are: Dr. Steven Webel, Animal Production Associates, Cropsey, Illinois, "Current Concepts in the Control of Swiner Reproduction;" Dr. Lynn Joens, University of Arizona, "Research Update: Pathogenesis of Swine Dysentery;" Dr. Terry Cowan, The Upjohn Company, "Review of Field Experiences with Lincomix Premix;" and Dr. Charles Farho, The Upjohn Company, "Requirements for Drug Approvals in Food Producing Animals."

A copy of this report can be obtained by writing to: Mycoplasmal Pneumonia In Swine Situation Report, The Upjohn Company, P.O. Box 5087, Kalamazoo, MI 49001-5087.



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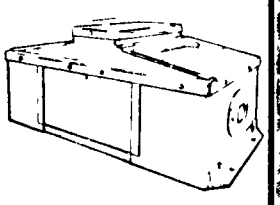

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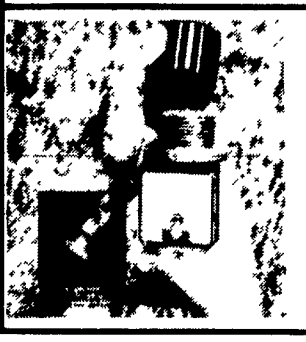

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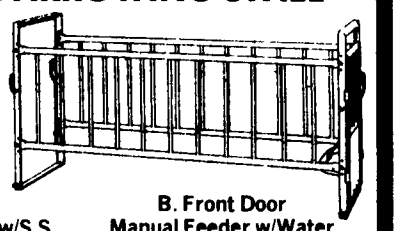

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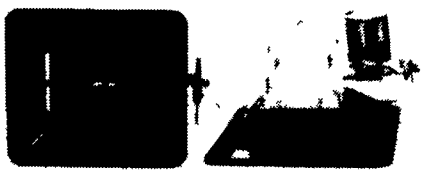

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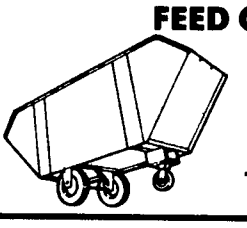

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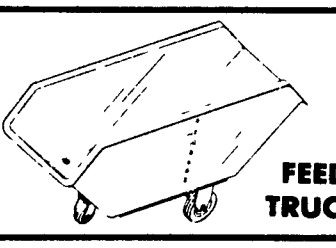

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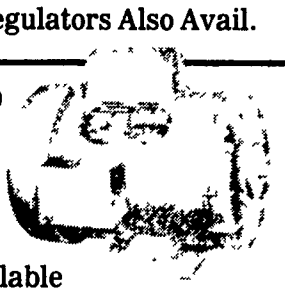

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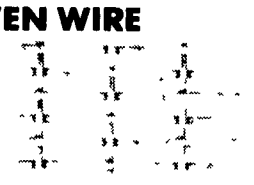

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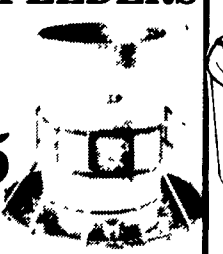

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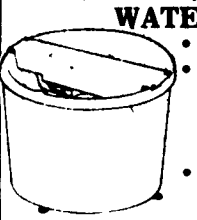

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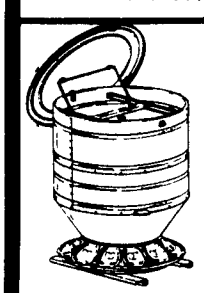

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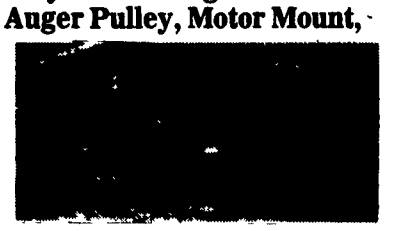

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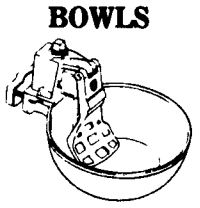

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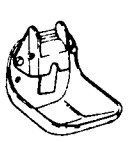

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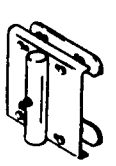

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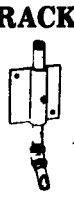

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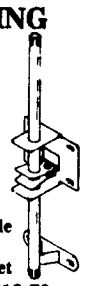

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Foraging Around

By Dr. John E. Baylor
Director of Market Development
Beachley-Hardy Seed Company

First the Seed - Forage Grasses

In my last column I took you on a very brief tour into the seed producing areas for several important forage legumes. Today I'd like to do the same for several cool season forage grasses.

Timothy

Variable amounts of common timothy seed are produced in New York, Pennsylvania and Virginia. However, for the most part seed production in these areas is a by-product of the hay industry. If the standing crop is no longer suitable for hay, or is not needed for forage, it may be left and a seed crop harvested. Thus, both seed yields and seed quality are highly variable and the amount of seed available each year is uncertain.

Today four states (Minnesota, Missouri, Idaho and Ohio) are the primary producers of certified seed of named varieties, with the largest seed acreage in Minnesota. Canada is also a supplier of timothy seed.

Seed production and certification procedures for improved grass varieties, including timothy, are nearly as sophisticated as those for improved legume varieties. In Minnesota, for example, timothy seed fields are either row or solid planted to foundation or registered seed on properly isolated weed-free fields. Fertility programs for lime, phosphate and potash are based on soil test with nitrogen applied at rates of 80-100 pounds per acre annually to assure top seed yields. Seed fields are harvested, swathed and allowed to dry in the swath prior to combining. Seed yields range from 250-600 pounds/acre.

Orchardgrass

Virginia still produces a small amount of orchardgrass seed. But of the improved varieties, including Pennlate, nearly 100 percent is produced in the state of Oregon where conditions are normally extremely favorable for grass seed production.

Extreme care is taken to select fields for seed production that are weed free of other grasses. Seed fields are row planted (18" - 24" rows) and critically inspected to assure purity. As with timothy, orchardgrass seed fields are harvested, swathed and allowed to dry in the swath prior to combining. Thus no articial drying of the seed is necessary.

Post harvest burning or other residue removal is an important management step to minimize weed seeds and prepare the field for the application of a soil active herbicide.

Bromegrass

Smooth bromegrass in its area of adaptation is still one of the best cool-season grasses for forage. Yet for several reasons usage of this species has declined in recent years.

Kansas, Nebraska and South Dakota are major seed producers of common bromegrass as well as certified seed. But Washington and Idaho are currently important producers of certified seed of improved varieties.

Seed production practices in certified seed fields are, of course, closely monitored. For seed production purposes smooth bromegrass is commonly narrow row planted without a legume and fertilized similar to seed fields of other grasses. Seed fields may be direct combined if conditions are excellent, or mowed and picked up by the combine after the seed has dried in the swath.

Burning or removal of post harvest residue has proven to be an important practice in bromegrass seed fields in the Northwest to maintain seed yields and control certain weeds and diseases.

Reed Canarygrass

Historically, common reed canarygrass seed production was strictly a by-product of the hay industry in Minnesota and the Dakotas. But with the introduction of new varieties such as Palaton, up-to-date seed certification and production practices are in place. Minnesota and the Dakotas continue to be the major seed production states.

While solid stands for seed production are still common, row planting is the rule with most recent varieties. Seed shatter has always been a problem with this species but newer varieties tend to shatter less and tend to have higher seed weight per panicle. Seed fields are commonly direct combined and seed usually must be dried to prevent heating.

Because of the shattering and weather-related problems in major seed production areas, seed yields of reed canarygrass continue to be variable.

Tall Fescue

Last year nearly 95 percent of the tall fescue seed was produced in the states of Missouri, Kentucky, Tennessee and Kansas on fields managed for both forage and seed. Missouri alone supplied over 80 percent of the total seed crop. Again as newer improved varieties such as Johnstone become available, and as the production of endophyte-free seed increases, certified seed production is slowly shifting to the more favorable seed production areas of the Northwest using modern seed production techniques.

Fescue seed is harvested from solid stands in the upper south while row plantings with careful post harvest management including refuse removal is the rule in Oregon. As a result average seed yields in Oregon are approximately 2½ times the national average.

Other Cool Season Forage Grasses

Virtually 100 percent of the U.S. ryegrass seed supply is grown in the Willamette Valley of Oregon using improved practices to control weeds and diseases including controlled buring or other methods for removal of residue.

Prior to 1900 nearly all commercial Kentucky Bluegrass seed was produced in Kentucky from pastures. Today, however, most U.S. grown quality seed of improved varieties is a specialized business with production in Oregon, eastern Washington and northern Idaho, and some production in Minnesota. Innovations in weed control and other management practices have been instrumental in higher yields of quality seed.

Thus, today for both forage legumes and grasses, seed production is a very specialized business. And with continued modern seed production practices eastern consumers are assured of a constant supply of high quality seed of improved varieties.

May I take this opportunity to wish each of you a successful and profitable 1986.

USDA announces producer assessments for Ohio, Wisconsin tobacco

WASHINGTON, D.C. – To obtain price support on 1985-crop cigar filler and binder tobaccos (types 42-44 and 53-55), producers must agree to pay assessments on all marketings for deposit in "no net cost" tobacco accounts, a U.S. Department of Agriculture official said recently.

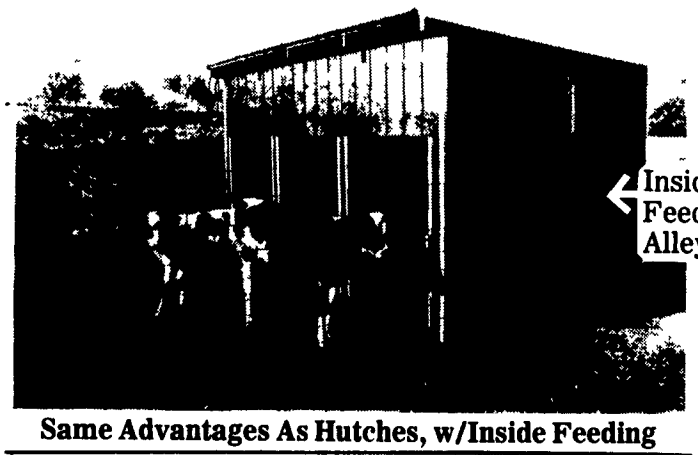
Everett Rank, executive vice president of USDA's Commodity Credit Corporation, said the assessments were approved in consultation with tobacco producer associations, as: ten cents per pound for Ohio filler (types 42-44); three cents per pound for northern Wisconsin binder (type 55) and two cents per pound for southern Wisconsin binder (type 54).

"The assessments ensure that the tobacco support program for these tobaccos will be operated at no net cost to the taxpayer, in conformity with the No Net Cost Tobacco Program Act of 1982," Rank said.

Producers who do not agree to contribute to the no net cost account will be ineligible for price support and subject to a penalty of 81 cents per pound for filler and binder tobaccos, he said.

The penalty equals 75 percent of 1984's average market price and is the same penalty that applies to the marketing of excess tobacco.

CALF KENNELS



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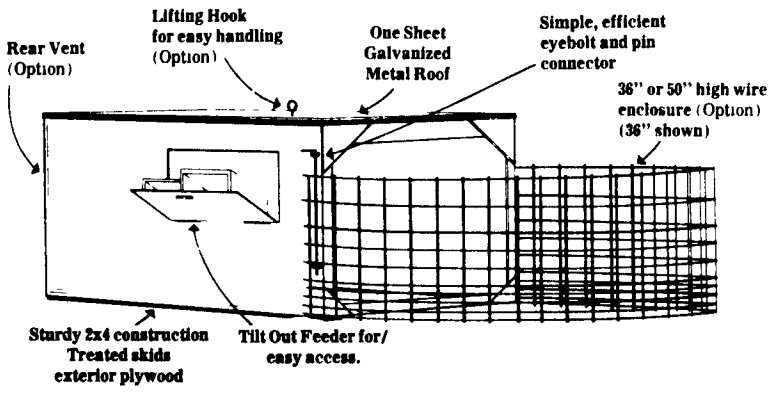

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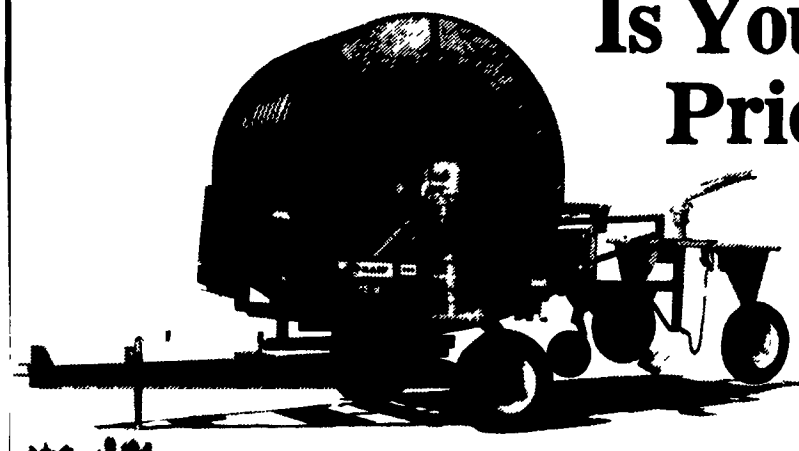

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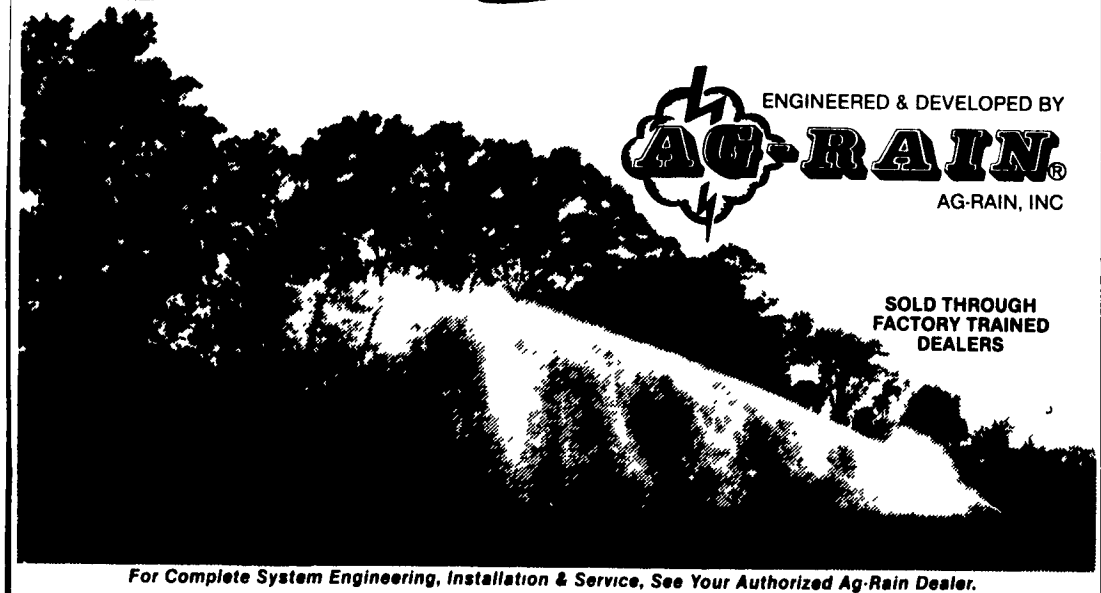

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Brockett's Ag Advice

By John E. Brockett
Farm Management Agent
Lewistown Extension Office

Payables and receivables

One of the biggest problems for a farm business is unpaid bills or accounts payable. They cause a farm business to pay more for doing business in extra interest charges, loss of cash discounts, and loss of flexibility for bargaining.

They must be paid with money earned long after those items were used in the business. Finally they can mean using capital equity to pay operating expenses. Accounts payable hurt more than your farm business.

They also hurt the farm supply and service businesses to whom they are owed because it means that those businesses now have less money to work on. Result - they have to borrow more at a cost, they may lose out on some cash or quantity discounts, or they may even go under.

This in turn costs all of their other customers money because the business may have to mark everyone up in order to cover the cost of the unpaid bills. **End Result:** Unpaid bills or accounts payable are a drag on the entire agricultural community.

Prepaid Expenses

Tax management, early order discounts, and opportune purchase times are all good reasons to buy input items ahead. They should be inventoried if you really want an accurate analysis of the year's business.

Accouts Receivable

If accounts receivable are more than 30 days old, you as a farmer will feel some of the pressure the suppliers feel. The biggest question mark on accounts receivable is will they be paid and when. If you have some, put them on the inventory. If you have more at the end of 1985 then 1984, you should possibly look for another market unless it is due to something reasonable such as a higher production level.

Tax Meetings

In my area for 1986 I will be conducting 3 tax meetings and I workshop. The meetings will be:

Centre Co. - Willowbank Building (Old Hospital) - Feb. 5 (7:30 p.m.).

Juniata Co. - Extension Office, Courthouse Annex - Jan. 29 (7:30 p.m.).

Mifflin Co. - Room A, 2nd Floor, Courthouse - Feb. 3 (7:30 p.m.).

The workshop will be:

Mifflin Co. - Basement Meeting Room, Courthouse - Feb. 13 (9 a.m. to 4 p.m.)

Tax Mimeo

If you want a summary of the hi lites of the tax law changes that affect farmers plus the major parts of income taxes that farmers should know, ask me for a copy of my 1985 Tax Mimeo. Some County Extension Offices have copies of this mimeo available.

Nitrogen needs for nurseries

NEWARK, DE. — Commercial nursery operators can obtain better growth on woody ornamentals by using a combination of slow-release and supplemental liquid nitrogen, says University of Delaware extension horticulturist Sue Barton. She says studies at Auburn University show that timing of these fertilizer applications is important so that plants receive nitrogen when they are most actively growing.

Auburn researchers found that plants given a standard rate of slow-release (Osmocote) and supplemental liquid nitrogen in the spring had a lighter leaf color than those receiving Osmocote plus spring and fall applications of liquid N. Plants in the study which received 1½ times the base rate of Osmocote experienced growth rates similar to those receiving Osmocote plus spring and fall supplemental liquid N.

Based on the economics involved and the potential accelerated breakdown of slow-release fertilizer during a hot summer, Barton suggests the use of a combination of Osmocote plus spring and fall applications of liquid N.

Results of another Auburn study indicate that nursery operators could save money by eliminating an unnecessary mixing step when surface applying fertilizer to non-blended growing media, Barton reports. That research showed no difference in plant response to three fertilizer application methods–pre-plant incorporation, surface application and dibble application.

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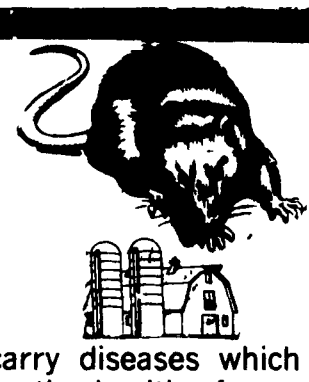

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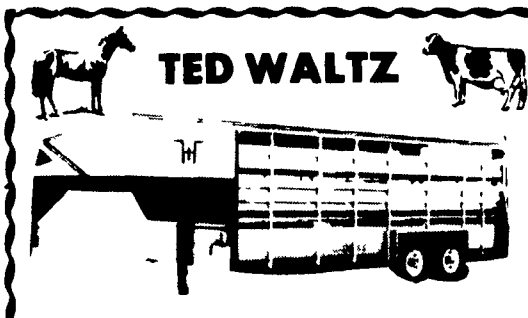

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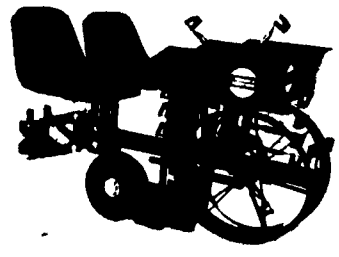

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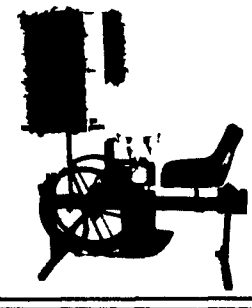
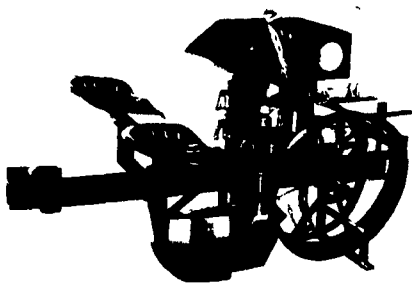
An all new "Mid-sized" High Speed Speedling" Planter shown with optional carrousel and cushion seats



MODEL 22C
Planting Unit with floating clamp to attach to 2" (5.08cm), 2¼" (5.715cm), or 2½" (6.35cm) Toolbar



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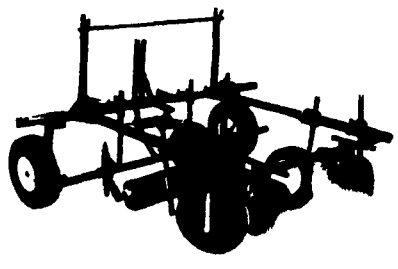
Mulch Layer. Also ask about our new economy Mulch Layer - Model 85.



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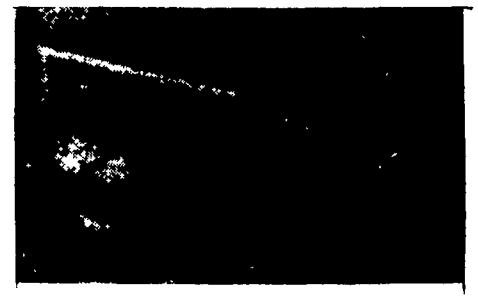

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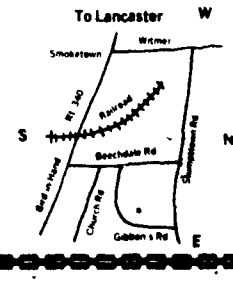


MF splits off combine division

TORONTO – Massey-Ferguson Limited's plan to recapitalize its Combines and Foundries Divisions as a privately-held associate company should enable the operation to return to profitability in 1987, the company said.

According to Victor A. Rice, chairman and chief executive officer of Massey-Ferguson, "the formation of this new entity would give the combines a new lease on life. Even considering depressed state of the combine harvest market, we believe the new company could make a profit within two years.)

Under Massey Ferguson's financial and operational restructuring plan, the Combines and Foundries Divisions would become a privately-held associate company, renamed Massey Combines Corporation. Massey-Ferguson Limited would hold a minority interest of 40 percent, with the balance held by lenders and other parties.

The new company would be recapitalized to meet the costs of extensive restructuring. These measures–such as consolidation of resources at Brantford, Ont., inventory reduction, innovative marketing approaches, and accelerated development and introduction of new products–are required to improve the operation to profitability at current low industry volume levels.

The new company would be responsible for all combine harvester research, design, manufacturing, marketing and servicing previously handled by the Combine Division. Other products for which the company would be responsible include the MF 4000 Series four-wheel-drive (225-375 hp) tractors, swathers, the MF 360 wide-level disc harrow and iron castings.

In addition to the Massey-Ferguson line of conventional combines, the new company would manufacture and market rotary combines. The technology for these machines was acquired from White Farm Manufacturing Canada by Massey-Ferguson last July. Currently, the model 9720, which was built by White, is being marketed by MF and White dealers. A new, smaller rotary combine that has been undergoing field tests is scheduled to be brought into production in 1986.

Massey Combines Corporation is a logical outgrowth of Massey-Ferguson's concept of specialized product divisions. "Following the acquisition earlier this year of the rotary combine technology, Massey Combines could now move forward with complete dedication to the combine business," Mr. Rice said.

"The new associate company would concentrate all its resources and energies on a single objective: meeting the needs of North American farmers, dealers, and export markets.

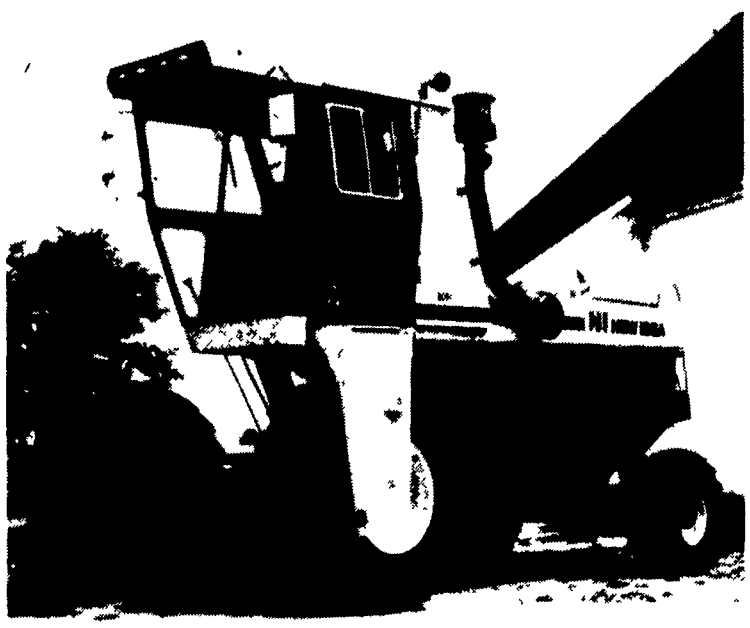
"It would be positioned on the leading edge of the industry to take full advantage of improved market conditions when they occur."

Under the new enterprise, farmers and their dealers would receive complete after-sale backup support. This includes wholesale and retail financing warranty, full parts service, computer linkage with the dealer network, Telemarketing and Teleservice support and many other initiatives planned for the next couple of years.

"Massey Combines would provide a basis for greater responsiveness to the requirements of dealers and farmers and the demands of a constantly changing marketplace. It would also lay the foundation for dealers to become more competitive through association with a fast-moving supplying manufacturer whose primary business is combines," Mr. Rice said.

"This would be the only such organization in North America, and the only one in the world, offering both rotary and conventional technologies in the high-capacity range."

Most of the new company's resources would be centralized in Brantford. Management, sales and marketing personnel would be accommodated in a new office building to be completed in the city's center in 1986. Engineering and research and development would soon occupy the former White Engineering building nearby. Regional sales offices would continue to be located throughout the U.S. and Canada.



The new 800 "C" Series Power unit from New Idea Farm Equipment Division.

New Idea introduces 800 "c" power unit

COLDWATER, OH. – The introduction of the new 800 "C" Series Power Units is one of the first product lines introduced this season by New Idea Farm Equipment Division to reflect their new equipment colors, and a lower pricing structure for added value.

"We've engineered the 800 "C" Series with superb features in order to maintain a high level of quality and provide added value for our customers," says Mr. Tom Kinzenbaw, Vice President, Marketing of New Idea. "The Cummins diesel engine is only one example of the quality and added value that is built into the 800 "C" Series Power Units. The Cummins diesel engine is available in a choice of 152, 177, or 324 horsepower. The engine is a 6 cylinder, turbocharged diesel with a direct fuel injection system that provides power with top efficiency."

Other features on the 800 "C" Series Power Units are a high clearance, heavy-duty frame, rugged wheel ends, larger tires, hydrastatic drive with four speed transmission and optional power assist rear wheel drive."

Mr. Kinzanbaw added, "The real advantage of having the "C" Series Power choice... the affordability of building to your specifications, plus the adaptability of changing to meet future needs. It's easy with the New Idea modular design because you can take full advantage of your power unit investment by changing only the harvesting unit."

ABS compiling data on Valiant daughters, sons

DEFOREST, WI. – S-W-D Valiant, super Holstein bull developed by American Breeders Service (ABS), is meeting the predictions made at the time of his death in August 1984 by ABS President Dr. Robert Walton. Said Walton, "He will continue to have a genetic and economic impact on dairying throughout the remainder of this century."

To spotlight this impact, ABS and Holstein World are compiling production and type information on Valiant's most outstanding sons and daughters gleaned from all segments of the industry. Lists of the top daughters in four categories will be included in a special SWD Valiant issue of the World to be published April 25, 1986.

Dairymen with grade or registered Valiant daughters that have completed a record of 25,000 pounds of milk, or 1,000 pounds of fat, or 800 pounds of protein are invited to participate by alerting ABS to the fact that they have such Valiants in their herds. Daughters that are classified Excellent also qualify to be part of this prestigious list.

Those who have Valiants that qualify in one or more of the four categories and wish to have them included, should contact their local ABS Representative or write or phone Nancy Berg in the ABS offices at Box 459, DeForest, Wisconsin 53532, phone 608/846-3721. ABS and Holstein World are both contributing $1.00 to a special scholarship fund for each daughter reported.

On top of the list for each of the qualifying categories at the close of 1985 are Long-Haven Valiant Sally owned by G. Carlos Long, Michigan, with 40,022 pounds of milk. Long-Haven Valiant Sally is also tops for fat at 1,823 pounds and Enns Valiant Panie, owned by Prices Partners Ltd., New Mexico, heads the list for protein at 1,130 pounds. Farlows Valiant Rosie, owned by George and John Atkinson, is the highest classified Valiant daughter at EX-94.

Velsicol gives $32,405 to NCGA's ethanol campaign

ST. LOUIS – More fuel has just been pumped into the National Corn Growers Association's (NCGA) successful ethanol development program thanks to Velsicol Chemical Corporation's 1985 Operation Trade Expansion (V.O.T.E.).

Velsicol recently announced the investment of $32,405 in NCGA, which gives the group a solid base of funds to work with in 1986, according to Hal Smedley, NCGA's Domestic Market Development Director. This is the second year Velsicol has invested funds in the fuel ethanol program bringing the total number of V.O.T.E. dollars generated for NCGA through 1984 and 1985 to $130,000.

Data recently released by Information Resources Incorporated, Washington, D.C., indicates that corn used for fuel ethanol is up by 68 million bushels in 1985 over the 1984 level of 172 million bushels. That's a 40 percent increase and on target with NCGA's goal of one billion bushels used in ethanol production in 1990.

"The funds directed to NCGA by farmers and ranchers across the country who participated in Velsicol's Operation Trade Expansion last year were a large part of our successful fuel ethanol program," says Smedley.

In 1984, Velsicol's investment of nearly $100,000 was put into research and development programs which helped boost the amount of corn utilized in fuel ethanol production, according to Smedley. NCGA spent $150,000 in their total market development plan. The $32,405 investment in NCGA from the 1985 V.O.T.E. program will also be used in programs aimed at expanding ethanol markets.

"Farmers have realized they can make a difference by working through their commodity organizations to promote their product," says Velsicol's Eastern Regional Director, James Oliver, who presented the 1985 V.O.T.E. funds at a recent NCGA board meeting. "V.O.T.E. gave producers the opportunity to become directly involved in market development and, in turn, the ability to help generate demand for the commodities that

(Turn to Page C8)

NCGA President Dain Friend, Warrensburg, Ill. (left), and John Pellet, NCGA vice president of market development from Chesterfield, Mo. (right), accept $32,405 from Velsicol Chemical Corporation through Velsicol's Operation Trade Expansion (V.O.T.E.) program. Making the presentation is James Oliver, Eastern Regional Sales Director for Velsicol. These 1985 V.O.T.E. funds will be invested in NCGA's domestic market development program for fuel ethanol. The 1985 investment is in addition to $97,000 Velsicol gave NCGA in 1984 for market development. The association spent nearly $150,000 in market development for fuel ethanol last year which helped boost corn used for ethanol by 68 million bushels between 1984 and 1985.

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NEW FOR '86

Now there's an all-purpose tractor with the power and size of the classic 4020...the 95-hp 3150

Some 21 years since its introduction, the classic John Deere 4020 still maintains its lofty position as the best all-purpose, under 100-hp tractor to ever turn a furrow.

But farming today may require even more. More fuel efficiency, more lugging power and state-of-the-art operator comfort. With these demands in mind, John Deere introduces the new all-purpose 3150 Tractor with Caster/Action™ MFWD.

The new 3150 and 4020 are the same horsepower and have almost the same dimensions. But a 6-cylinder, 359-cubic-inch, naturally aspirated engine allows the 3150 to produce 95* PTO hp from less fuel. In fact, factory tests indicate the 3150 Tractor is about 5 percent more fuel efficient than the 4020.

And while the 3150 develops the same horsepower as the 4020, it actually has more torque reserve than the classic. It's better able to handle varying loads in the field and forms a perfect team with the 16-speed TSS (top-shaft-synchronized) Hi-Lo transmission.

TSS has twice as many speeds as the 4020 and hydraulic Hi-Lo lets you better utilize them. The Hi-Lo gives you a no-clutch, power shift on-the-go under load within each gear. And synchronized shifting allows you to shift on the go with light or medium loads.

The 4020 was nimble in the field, but didn't come with front-wheel drive as standard equipment. The new 3150 features Caster/Action MFWD for terrific traction. And even with MFWD the 3150 has the agility to "turn on a dime." Like its predecessor, the 3150 is the right size to swing in and out of tight places. And it does! The main reason it's such a good handling tractor is the patented pivot-axis of Caster/Action.

The steering knuckle is tilted to the rear for an exclusive 12-degree caster angle. This lets the top part of the inside wheel lean away from the tractor during a turn while the lower part angles under the frame. There's more wheel clearance so you can turn tighter — almost as tight as a 4020.

* Horsepower measured at the PTO at 2,400 rpm in factory test

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Vermeer develops low-cost, high output combines

PELLA, IA — "A new, low-cost, large production alternative to expensive self-propelled combines."

That's the way company officials describe new, hydraulic-fold, 4- and 6-row Ear Corn Harvesters recently introduced by Vermeer Manufacturing Co. The Pella, Iowa firm also plans to offer shelling systems for the two units in the second half of 1986.

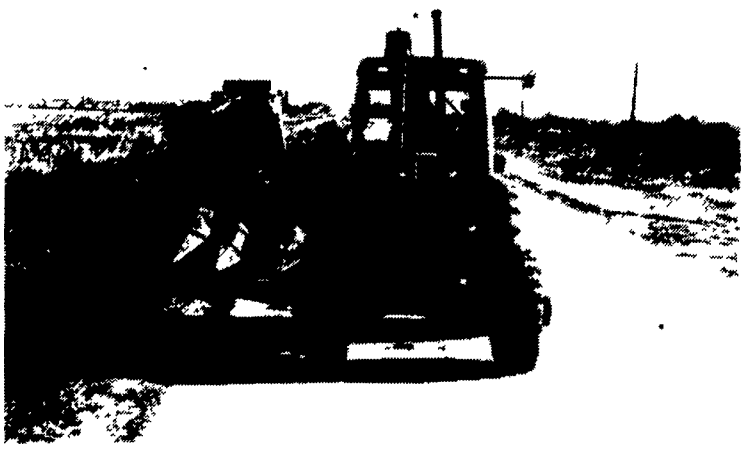
At first glance, the Vermeer models are much bigger than the two- and three-row units of yesteryear. They also fold hydraulically for transport. They load two wagons at a time. They can travel down the road at just 14 feet wide. And, of course, they cost considerably less than comparable combine systems. Vermeer expects to offer the units for approximately $25,000 and $30,000 respectively.

"We didn't re-invent the wheel." said Lyle Borg, Vice President, Marketing at Vermeer. "But you might say we've designed and improved a corn harvesting concept that's a viable, large production alternative to the combine," he added. According to Borg, Vermeer anticipates not only solid interest from regular seed corn producers, but also farmers willing to increase their labor input to: 1) reduce drying costs, 2) improve corn quality, and 3) re-capture the added feed and energy value of the cob.

The six row model is set up for 30-inch rows, and the four row at 38-inch rows. Vermeer estimates both units will husk approximately 400 bushel/hr. with a minimum 100 hp tractor.

A unique feature on both models is a hydraulic driven elevator that also hydraulically pivots to the side...plus a telescoping side boom wagon hitch that allows the operator to swing the elevator to the side and load two wagons at a time. The wagon hitched to the side boom also helps equalize drafting during the corn picking operation, especially in soft, muddy conditions. The hydraulic elevator swings up to 120 to ensure access to the full length of the wagon. A large hopper at the base of the elevator allows the operator to shut off the elevator and still continue harvesting as the elevator pivots to the second wagon.

Additional features include Waltershield constant-velocity, PTO-drive (1000 rpm), an overrunning torque limited clutch immediately off the PTO, and three fan systems to maximize the husking and cleaning process.



A low-cost high-roduction combine line has been introduced by Vermeer Manufacturing Co. of Pella, IA.

Hagaman to head Dow ag products

MIDLAND, MI. — John L. Hagaman has been named president and general manager of the global agricultural products business for Dow.

Hagaman is assuming responsibilities previously held by Keith R. McKennon, who has been named director of Research and Development for the company. Hagaman has been serving as a vice president of Dow Chemical U.S.A. and general manager of North American Agricultural Products since January 1985. Previously, he served as a product director of the global agricultural products area.

In his new assignment, Hagaman will become a member of the company management committee and will report to Robert M. Keil, executive vice president.

Velsicol

(Continued from Page C6)

they produce," he noted.

NCGA President Dain Friend, Warrensburg, Ill., stressed, "Velsicol's 1985 investment will help NCGA establish a solid foundation for our fuel ethanol program in the coming year. These funds will play a critical role in helping NCGA develop corn markets for fuel ethanol."

The association plans to maintain an effective market development program for fuel ethanol in 1986 with less funding and still see another 40 percent increase. "We must see a 40 percent increase each year in order to reach our goal of one billion bushels in 1990," says Friend.

NCGA is dedicated to creating expanded and long term, viable programs designed to support domestic corn utilization. Fuel ethanol is one corn market farmers have developed and one which they must sustain if agriculture is to become profitable again, according to Friend.

Velsicol's Operation Trade Expansion was launched two year ago to help develop and expand markets for U.S. ag products at home and abroad. As a result of the 1985 V.O.T.E. program, more than $100,000 was generated for six commodity groups representing corn, wheat, soybeans, beef, pork, and cotton–bringing the total V.O.T.E. dollars for investment in critically needed market development and expansion efforts to $350,000.

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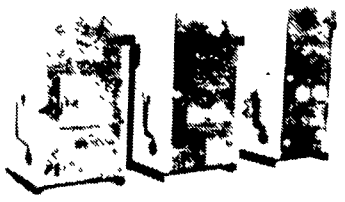

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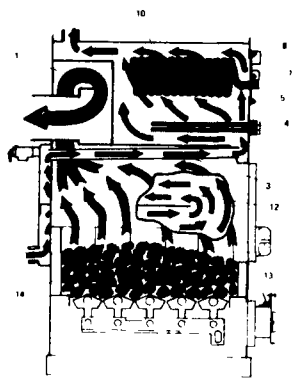

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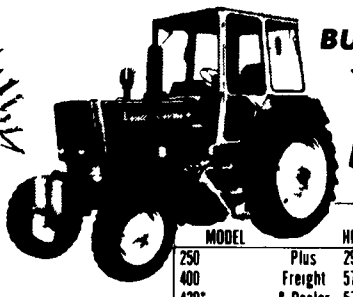

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520*		70	$17 950 00	$14,950
611	Less Trade in	60	$15 727 00	$12 385
800		85	$16 635 00	$12 995
820*		85	$19 596 00	$15 200
822 4WD w/Cab		85	$21 995 00	$17 490
1500c		165	$42 985 00	$36 985
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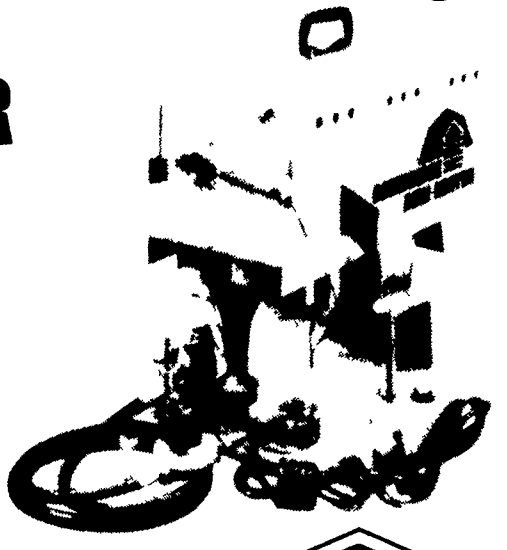

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Purina Mills develops new rodenticide

ST. LOUIS, MO. — With the USDA predicting a substantial grain surplus this year, and with cool weather and reduced food sources forcing farm rats and mice indoors, many hog producers will begin rodent baiting to protect their livestock and on-farm grain supplies. But, warn rodent control experts, current rodenticides may be ineffective, because of a growing number of anticoagulant-resistant rodents.

According to Dr. William Jackson, Professor of Biological Sciences at Bowling Green State University in Ohio, evidence now suggests that rats and mice in many parts of the country are resistant to popular multiple-feeding rodenticides, including warfarin-based products.

"In nationwide tests, we noticed a resistance rate between 5 and 30 percent when these anticoagulant baits were extensively used," he says. "In fact, some areas reported a resistance level as high as 70 to 100 percent. This suggests that the products currently being used may be ineffective and that larger numbers of rodents are surviving with the resistant trait, which will be passed on to their offspring."

The problem becomes more serious, Jackson notes, since these rodents are surviving to contaminate this year's harvest. "Over one winter, a single rat will consume $12 worth of grain and pollute five to seven times that amount with its urine, droppings and hair," he says. "When you consider that one female rat can produce a litter of five to eight baby rats every two months, the current resistance problem can multiply quickly if not met head-on."

When left uncontrolled, rodent damage to buildings and livestock is common. "Rats burrow and gnaw away insulation from barns and hog units," Jackson notes. "They also chew on electrical wiring, which could be the cause of many fires of unknown origin."

In addition, farm animals that eat grain contaminated by rodent feces or drink urine-tainted water may contract any one of several diseases, including leptospirosis and salmonellosis. Besides infecting the animal, such diseases are easily transmitted within the herd.

"With large numbers there will be intense competition for food, as well," Jackson adds. "Rats will eat broken and cracked eggs, drag chicks into burrows and may even attack laying hens."

The surviving birds often produce fewer eggs and may die later, if wounded. Hens stressed by rat infestations also tend to produce eggs with more blood spots, he adds.

Another problem may be the inability of the farmer to sell his grain next spring. "If the local elevator accepts the contaminated grain, they may be cited by the FDA at the next inspection," Jackson notes. "Since it's almost impossible to get all the pollutants out, prevention on the farm is the best defense."

But, because they have more grain on hand than cash, many hog producers may feel that a rodent control program doesn't pencil out. Jackson, however, points out that the opposite is true. "If one looks at the potential damage that could occur, it really is a 'pay me now or pay me more later' situation," he says.

Currently, there are three types of rodenticides for on-farm control, according to Chuck Dickerson, manager of rodent control research with Purina Mills, Inc. "Acute" rodenticides, like strychnine, are poisons that cause rodent death immediately. Besides their high potency even to non-target animals, these poisons often cause rodents to die in or very near the rodenticide itself, make other rodents shy away from the poison. Those products containing warfarin are examples of "multiple feeding" baits, which kill the rodent after several feedings and allow the rodent to die away from the bait.

"With the resistance problem clearly in mind, Purina has developed a new rodenticide which offers several advantages over both acute and multiple dose baits," Dickerson notes.

The product, Assault rodenticide, is considered a single dose bait, but unlike acute rodenticides, is slower acting and therefore rodents usually will not die in or near the poison. "This is extremely important since other rodents will not approach or consume remaining bait if a dead rodent is lying near it."

The new rodenticide is also economical and effective, Dickerson continues. "Just 1½ ounces will kill six rats or more than 20 mice. In addition, in on-farm tests, Assault was nearly 100 percent effective against anticoagulant resistant rodents."

However, Dickerson says that a truly effective rodent control program should include a three-pronged approach of "rat proofing" buildings, sanitizing facilities, and baiting infested areas.

To "rat proof" a building, Dickerson suggests hog producers first use sheet metal or cement to seal off all openings around pipes entering buildings or areas where rodents have already gnawed through. In addition, housings on aeration and drying equipment should be covered when not in use to prevent rodents from entering the bins.

Next, clean out debris and garbage and remove any spilled grain from around feeders or storage bins. "It's also important to get rid of any weeds or rubbish from around the outside of buildings," Dickerson adds. "These are ideal hiding places for rat burrow systems and could conceal existing rodent entryways."

Correct bait placement is the third and crucial stage in the control program, says Dickerson. "A potent single dose product should be placed where rodent traffic is evident," he says. "Greasy marks along the walls and rat droppings or hair or tellate signs of an infestation."

Once spotted, Dickerson suggests that hog producers make a checklist and a diagram of these points, so that problem areas can be easily pinpointed. "Then, set out a control portion of the grain that the rodent normally eats and check it regularly to measure the extent of the infestation," he says. "The speed at which they consume the grain will give you a good idea of the primary area and intensity of infestation."

Once a population level has been determined, an adequate amount of bait should be distributed, placing bait packets throughout the facility. These should be checked and replenished regularly," says Dickerson.

With Assault rodenticide, dead rodents should begin to appear within 48-72 hours, Dickerson adds. "But, baiting should continue year-round, or new rodents will reinfest the area, and the cycle will begin again."

By using this three-pronged program and rodenticide effective against anticoagulant resistant rats and mice, hog producers can help protect their harvest and prevent costly damages to their facility. "A little prevention right now will make all the difference next spring," Dickerson concludes.

New herbicide unveiled by Dow

MIDLAND, MI — TORDON* 1 Plus 2 Mixture is a new herbicide available from The Dow Chemical Company for non-crop and industrial vegetation control. The product contains a mixture of picloram and triclopyr esters and is specially designed for use as a basal bark treatment to control unwanted woody plants in non-crop areas such as fence rows and around buildings. It is also well-suited to right-of-way treatments on roadsides, power lines, railroads and pipelines.

According to Dow, Tordon 1 Plus 2 is particularly effective against hard-to-control species like ash and oak, plus root suckering species such as locust, willows and sassafras. Due to the use of ester formulations in the mixture, the product is highly soluble in oil, which provides improved bark penetration. Once inside the bark to the cambium layer (growth ring), the herbicide translocates throughout the plant's vascular system, killing the entire plant including the root system.

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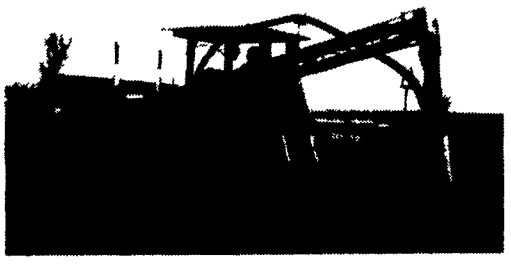

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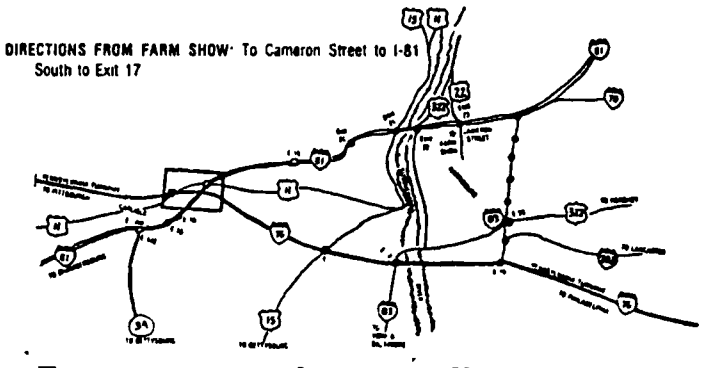

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Berks County DHIA Monthly Report

dhia — Pennsylvania Dairy Herd Improvement Association

BERKS COUNTY DHIA
November, 1985

Owner Name or No.	Brd.	Age	Days In Milk	Lbs. Milk	% Fat	Lbs Fat
Charles&Tim Kissling	3	68 3	86 5	21 970		803
Bendy Brook Farm	3	44 9	87 5	21 204		780
Mertz Brothers	3	44 6	87 5	22 072		777
Plushanski Farms Inc	3	134 9	86 1	20 407		777
Reu Hel Farms Inc	3	82 8	87 4	21,368		773
Heindel Farms Inc	3	37 2	89 6	19,878		759
Stephen J Janos	3	34 4	91 0	20,479		755
Merlin J Grube	B3	51 9	86 8	18,998		745
Junge Farms	3	75 5	87 0	19,238		744
David L Schrack	B3	104 7	88 3	18,811		743
Forrest C Stricker	B3	54 9	84 7	20,421		739
Rothrock Golden Hol	B3	80 9	82 8	20,242		728
DJSP Schuler	3	59 9	89 2	19,979		725
Raymond A Seidel	3	36 8	85 8	18,650		709
Mark A Wolfskill	3	99 8	83 4	19,868		704
Arlan Krick	B3	69 2	89 0	18 160		692
Vista Grande Farm	3	89 6	85 6	18,407		685
Robert E Kopfer	B3	61 7	89 8	19,245		685
Retland Farm	3	51 0	84 7	18,936		684
Mervin Brubaker	B3	67 5	87 2	19,359		679
Linden Loch Holstein	3	66 8	84 9	17,907		679
Ralph & Ken Sanner	3	82 8	85 3	18,647		678
RR Troutman & Sons	3	128 4	84 8	17,587		677
Leonard G Stoltzfus	3	97 0	84 6	18,832		675
Zahncroft Farm	3	49 7	87 8	17 778		671
Glenn B Gockley	G3	42 9	87 4	18 932		668
Good Bros	B3	61 6	88 6	19 943		666
Andrew D Stoltzfus	B3	104 5	84 6	18 450		664
George S Troutman Jr	B3	75 6	88 0	17 906		661
Donald B Duncan	B3	106 3	89 6	17 300		656
Red Fever Farm	B3	66 9	90 0	18 647		655
Frank G Gromlich	3	68 4	84 0	16 919		651
George E Moyer	3	101 5	84 8	16 918		654
Daview Farm	3	70 5	86 1	18.506		653
Oleka Acres	3	52 9	83 1	19 575		652
Sam Shirk	B3	50 8	85 1	18 391		650
Richard A Bleiler	B3	51 7	87 9	19 779		650
Ernest C Hoffman	3	57 8	88 3	17 619		648
Dean&Brenda Daubert	5	36 7	89 5	16 714		647
Clarence B Kulp	3	68 2	87 8	17 740		647
Yost Brothers	B3	112 0	87 5	18 305		646
Pinnacle View Dairy	B3	45 9	88 8	17 904		645
Show Top Farms	3	163 2	91 4	17 151		643
Marlin J Stutzman	B3	30 7	93 0	20,353		642
Udder Valley Farm	B3	71 0	85 2	17 336		639
Heindel Farms Inc	1	23 9	86 5	15 220		639
Irvin G Weaver	B3	50 4	89 5	17 102		638
E Daniel Leatherman	B3	70 3	88 4	17 928		638
Scattered Acres Inc	B3	155 4	84 3	17 886		637
Donald M Meyers	3	62 8	87 4	16 928		636
Harvey C Krill Jr	B3	44 0	88 6	16 544		636
Ray E Seidel	B3	34 5	88 4	16,708		633
Robert C Dreisbach	4	77 0	83 4	12 734		629
Martin & Missy Moyer	B3	51 1	86 2	16 738		629
Whirlwind Acres	B3	111 8	90 5	17 539		628
Fred J Walters	B3	71 3	87 3	16 902		627
William G Howerter	3	89 9	87 6	17,103		627
Grumbro Holsteins	3	48 7	84 7	16 334		625
Harold Schuler	3	37 7	89 4	17 426		625
Ernest O Miller	B3	213 0	85 7	17 926		621
Swatara Dairy Farm	3	71 9	83 8	15 187		620
Wilhomar Farm	3	43 6	85 6	18 231		619
Herb Top Farms	B3	32 7	82 9	16 803		618
Alton Rohrbach	B3	54 5	88 2	17,037		617
Leroy E Howard	3	143 8	89 8	17,795		617
Joe & Deb Kohler	G3	35 6	86 6	16,839		615
F Mark Weber	B8	32 2	87 0	16,387		615
David J Williams	B3	42 4	89 1	17 505		611
Ken & Debra Dietrich	B3	47 8	81 9	16,661		611
Lester Martin	B3	45 1	82 4	16,132		610
Hylark Farm	3	75 0	85 9	16,133		610
Harold Fenstermaker	3	33 9	87 9	15 649		609
FM Browns Sons Inc	B3	90 2	91 9	17 657		608
Ray E Bicksler	3	49 3	86 9	16 080		608
Bernell L Burkholder	B3	43 7	82 5	17 352		608
Ker Min Farms	3	80 8	87 0	16,330		603
Arthur D Schlappich	B3	61 1	86 4	17 073		603
Meadow Spring Farm	B3	53 2	84 8	17 023		600
Ontelynn Acres	3	124 6	87 1	15,738		600
Tulpa-Canal Farm	B3	38 9	85 6	16,602		600
Gary Martha Heffner	B3	39 9	82 4	16 392		599
Barry L Burkholder	B3	49 0	81 2	17 026		599
David Gross	B3	34 1	82 1	16,603		598
Samuel L Mast	3	47 4	85 9	16,204		598
Bruce Reigel	G3	37 1	85 8	15 327		597
Terry Kunkel	B3	38 4	86 0	17,155		596
Eleanor K Siegfried	3	105 7	90 5	16 054		595
Ro Ria Farms	B3	203 3	89 6	15 789		595
Elvin Brubaker	B3	39 8	84 5	16,368		594
Floyd Kurt	B3	56 2	87 0	17,288		593
Harvey M Weaver	B3	53 7	84 2	16 301		593
Albany Farm	B3	40 9	88 7	16,089		593
Clarence C Sattazahn	B3	103 0	89 5	15,887		592
Wooden Bridge Farm	B3	57 5	81 2	17,683		591
Pine Brook Farm	3	105 2	87 0	16,148		589
Raymond L Kulp Son	B3	82 8	90 2	16,280		587
Robert L Sattazahn	B3	100 4	89 7	16,571		586
William C Adams	B3	85 4	90 9	14,452		586
David Y Knauer	B3	53 1	84 8	16,955		585
Phillip J Werley	B3	65 9	85 7	15,309		582
Kenneth Zook	B3	57 6	86 7	17,004		582
Rick Phillips	G3	52 4	87 3	15,771		581
Charles W Wagner	B3	51 4	90 3	15,947		581
Donald Burkholder	B3	102 4	86 9	16,189		580
Glenn R Harnish	B3	105 1	86 8	16 198		579
Daniel J Harnish	B3	92 4	86 3	16 155		578
Lynnacres	3	185 0	90 7	16,164		576
Rentschlers Holstein	B3	32 9	85 9	16,838		575
Raymond B Nolt	B3	83 1	85 1	15,601		573
Edward R Haas	G3	28 2	89 0	15 368		572
Robert E Kieffer	B3	60 2	89 6	16.045		571
Way Har Farms	B3	111 4	90 1	16 007		569
Charles D Moyer	B3	123 1	93 4	16,152		569
Win-Dale Farm	4	54 3	87 9	11 591		569
Wilmer Dreibelbis Jr	B3	105 2	83 7	16 431		567
Blue Mtn Academy	B3	129 3	87 4	15 184		566
Alfred E Schmidt	3	56 6	90 9	15,707		564
Glenn E Hoffman	B3	52 4	87 2	15 227		559
Clyde Loump	B3	53 5	87 2	15,634		559
Ronald Weyer Jerseys	4	32 2	83 5	15,973		559
Carl H Rabenold	B3	58 4	84 5	16 456		558
Lewis Nolt	B8	61 8	83 9	14 925		558
Vernon G Good	B3	33 2	91 2	16,150		558
John H Stump	3	67 9	86 0	15,604		556
Teen Chal Farm	B3	120 4	86 5	15,758		555
Kur Del Farm	B3	46 6	82 5	16 019		551

CARROLL-BALTIMORE COUNTY DHIA
November, 1985

WESTMINSTER, MD. — Barnes and Wilhide had the herd with the highest average for the month of November according to figures just released by the Carroll-Baltimore Dairy Herd Improvement Association.

During the month of November, 16 dairy herds in Carroll-Baltimore Counties participated in this program. Listed below are the top ten herds based on their herd averages over the past year.

Barnes and Wilhide	58	19 501	760
Marlin Hoff	407	20 376	752
Maple Lawn Farm (C E Slager & Son)	169	21 048	751
Harry Roach III	77	18 696	717
Leaseway Holsteins	120	19 [illegible]	690
Del Myr Farm (Roger Myers and Son)	67	1 [illegible]91	687
Mountain Brook Holsteins (Charles McLaughlin)	33	17 933	684
D Richard Flickinger	54	17 727	674
RoseCroft Inc (Gary Derr & Brad Garst	100	17 620	667
William Hesson	50	17 57	664

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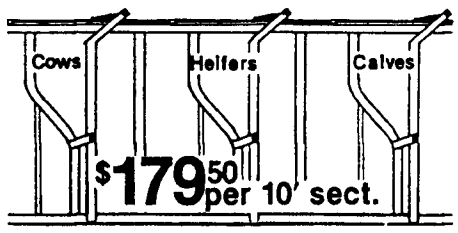

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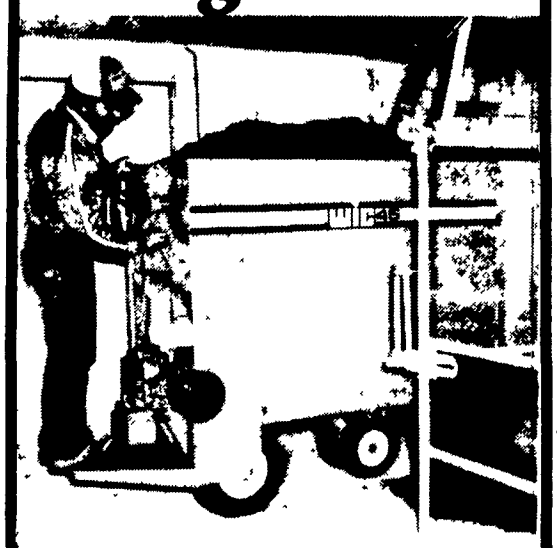

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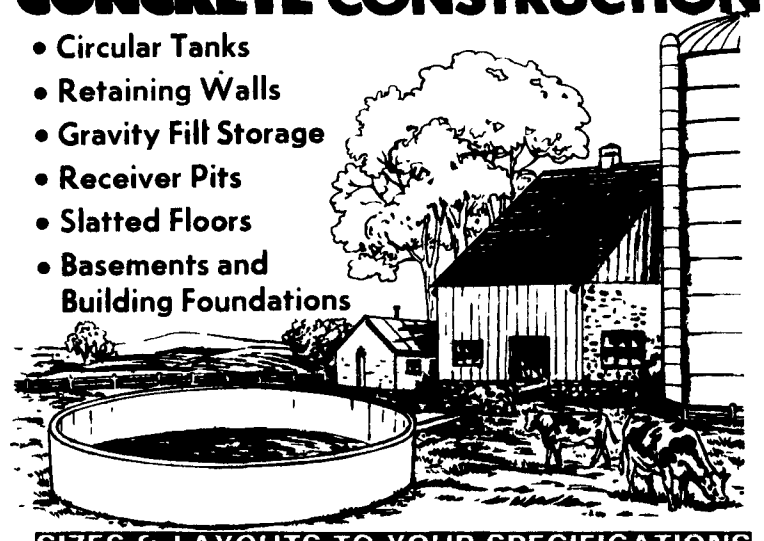

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Perry County DHIA Monthly Report

dhia — Pennsylvania Dairy Herd Improvement Association

PERRY CO. DHIA
OCTOBER 1985

Owner	Brd.	Age	No. Cows	Days In Milk	Lbs. Milk	Lbs. Fat
Ray E McMillen	3	70 4	88 7	21,190	786	689
Charles C Byers	B3	25 6	94 3	19,275	749	606
Kenneth R Benner	3	64 0	87 6	20,736	748	651
J T Troutman Sons	B3	50 3	87 5	19,725	732	653
Ed & Merril Brofee	B3	144 6	85 6	19,943	722	614
Robt & B Gabel	3	40 7	90 0	20,251	720	668
Bratton View Farms	3	78 7	88 6	19,971	705	630
Max Reapsome	3	58 9	86 2	19,294	697	590
Donald Dum	3	36 4	89 8	18,816	693	583
Dean Loy & Son	B3	50 8	87 9	19,368	691	604
Richard Maurer	3	53 5	87 7	19,141	691	589
Innerst Farm	G3	49 8	83 3	18,903	687	587
Ed & W McMillen	3	43 0	85 2	18,626	686	591
Alrada Farms	B3	98 8	85 9	18,516	675	575
Nevin G Rice	B3	99 0	89 8	18,732	675	579
Carl E McMillen	3	81 5	87 2	17,264	672	539
R Jack Crozier	B3	42 3	85 2	18 858	669	581
Richard G Smith	3	54 7	87 5	18,297	665	569
Benjamin E Dum	3	55 0	91 0	19,551	664	615
M W Smith Farms	B3	73 9	85 1	18,651	655	583
W G Stephens	B3	45 6	87 7	19,174	652	569
O & W Campbell	B3	52 4	86 4	18,911	652	591
Earl E Brubaker	B3	62 7	86 2	17 602	646	560
Milligan Bros	3	69 0	85 5	18 453	645	560
R Shambaugh B Barns	B3	47 9	86 2	17 409	645	545
Milmay Farm	3	57 5	84 1	17,149	637	539
W E Martin & Sons	B3	161 4	86 7	17,294	632	557
D & E McMillen	B3	50 5	85.9	16 401	627	523
Edwin L Sheibley	B3	59 0	84 5	17 182	626	541
Lyons Bros	B3	65 8	90 8	17,106	625	550
Daniel F Stoltzfus	B3	39 6	87 5	17,548	623	534
Perry M Kretzing	B3	82 9	88 4	17 077	621	523
H & P Barkley	B3	60 1	89 2	16,384	621	522
David H Weller	B3	56 6	85 2	16 714	617	535
Carl R Martin	B3	66 3	86 8	18,157	614	575
Agrophilos Inc	B3	56 4	87 0	17 165	613	519
J T Adair	G3	39 5	86 4	15,439	612	481
Arthur E Dum Jr	B3	43 4	92 0	18,063	608	583
Dennis K Dum	3	46 5	87 7	17,801	607	563
R Hall & J Comp	B3	32 8	90 5	16,068	606	505
John E Book	B3	41 2	87 1	17,300	606	533
Lester Fleisher	B3	35 6	83 9	16,637	601	521
JW & CL Achenbach	3	44 2	91 0	18,696	600	607

Listed below are completed lactations of 700 lbs of butterfat or over for October 1985

Aldrada Farms						
45	6 0	305	21,715	3 5	759	
99	3 8	305	19,530	3 7	724	
340	4 7	289	17,794	4 0	713	
13	4 1	305	18 107	3 9	701	
Ray E McMillen						
Joanie	703	305	24,702	4 0	981	
Lyons Brothers						
Gwen	6 0	305	18 429	4 1	748	
Dotty	4 7	305	21 423	3 7	782	
Max Reapsome						
187	5 4	305	25,358	3 9	997	
212	4 2	305	21,472	3 7	797	
263	2 0	305	19,680	3 7	729	
William E Martin & Sons						
511	4 11	305	20,846	3 4	712	
533	4-6	304	19,773	3 9	770	
548	4 4	305	19,377	4 1	795	
553	4 3	305	26,523	3 5	931	
636	3 1	305	19,729	4 1	815	
Donald Dum						
Heidi	10 10	305	24,469	3 8	934	
Glenda	8 4	305	20 832	3 7	763	
Betsy	7 4	305	22,415	3 4	759	
Tpstone	3 3	305	20,289	3 9	795	
Billy-Jo	3 2	305	23,501	3 3	769	
Benjamin E Dum						
Auntie	7 0	305	29,321	3 1	902	
Milligan Bros						
Flossy	7 2	285	20,446	3 5	714	
Carrie	6 4	305	25,540	2 8	710	
Cherrie	5 11	305	25,435	3 1	792	
Barbara	5 11	292	23,836	3 3	796	
Dean Loy & Son						
Darla	3 8	305	21 233	3 8	802	
Bratton View Farm						
Nina	8 2	305	22,081	3 9	872	
Apple	4-9	305	26,689	3 1	822	
Rubik	2 11	305	17 387	4 2	732	
Kenneth R Benner						
Lilac	9 0	305	24,861	3 2	798	
Lea	5 11	301	24,389	3 9	947	
Honey	5 3	305	24 713	3 7	916	
Sybil	5 3	237	17 778	4 1	733	
Star	2 4	305	17 909	4 1	731	
Charles C Byers'						
Sweet P	6 4	305	21 216	3 8	802	
Agrophilos Inc						
290	7 1	305	22 421	3 4	771	
Melvin S Weaver						
31	5 7	297	22 349	3 4	751	
David H Weller						
Casey	3 7	305	23 056	3 8	882	
Richard Kriebel						
Hope	5 3	305	20 879	3 8	794	
Ivan M Martin						
14	10 4	305	18 557	4 2	788	
67	3 3	305	19 885	3 5	700	
Dale Smoker						
16	7 5	305	25,456	3 3	837	
80	6 4	305	22 408	3 3	735	
Edwin L Sheibley						
Silver	6 1	305	18 771	4 3	800	
Lena	6 1	305	23 203	3 7	865	
Lester & Hazel Fleisher						
Pam	5 9	305	20,840	3 6	748	
Rhoda	7 6	305	19,912	3 7	732	
Dobbs Brothers						
Diamond	5 1	305	22,327	3 8	847	
Cedar Lane Farm						
92	4 8	305	17,770	4 1	736	
72Y	4 1	305	19,597	3 8	740	
San-Rae Farms						
Lois	10 2	305	23,383	3 3	773	
R Jack Crozier						
Oggie	4 3	283	19,821	3 5	702	
J Ted Troutman Sons						
3	6 0	305	17,315	4 9	852	
19	5 2	291	18,304	4 2	764	
Ann	4 1	305	20,752	3 4	701	
Cindy	4 3	305	21,530	3 9	840	
Edie	4 5	305	19,701	4 3	845	
R Shambaugh B Barns						
37	7 1	305	18,730	3 9	733	
36	4 5	305	17,798	4 0	715	
Irvin M Martin						
50	5 4	305	20,767	3 5	725	
Howard & Paul Barkley						
Sandra	7 11	293	19,232	3 8	735	
Robert & Berneice Gabel						
Linde	4-0	305	27,156	3 2	863	
Wayne-Gordon Stephens						
Irene	5 1	305	20,445	3 6	727	
Darla	4 11	305	23,201	3 3	777	
M W Smith Farms						
Doris	4 10	278	20,462	3 4	704	

Bucks Co. DHIA

November & December, 1985

Theodore S Wilson	B3	50 4	86 1	20,203	734
Richard O Smith	2	63 1	89 0	15,452	717
J Howard Roth	3	30 4	87 4	19,002	706
Harry E Thompson	3	31 2	88 7	19,548	699
Delaware Val College	3	37 7	87 5	19,012	698
Wm & Eleanor Gunser	3	67 0	88 8	19,330	696
Willow Ridge Farm	3	48 8	87 2	18,064	691
Robert-Donald Crouse	B3	68 4	87 8	18,305	684
Raymond Gross	3	45 9	87 8	18,742	682
George & David Bishop	3	99 5	88 2	19,414	682
Delaware Val College	5	11 5	88 6	15,744	679
Walter&David Wurster	3	57 8	89 9	19,604	679
Moyers Village Farm	B3	81 3	87 3	18 177	677
Crooked Acres Dairy	3	57 4	87 0	19,417	672
Paul L Kevin Bishop	B3	67 1	88 5	19,333	665
Breezyvale Farms	3	88 8	88 4	19,513	656
David R Wolfinger	3	37 9	88 6	18,966	655
Joe & Linda Ford	B3	24 4	87 8	18,404	655
James Pavlica	3	41 6	85 6	18,023	653
Walter&David Wurster					
Raquel	3	10 00	305	21 180	3 9	828
Darlene	3	3 09	305	25 012	3 3	819
Frederick Bros						
67	3	5 03	305	18 701	4 4	816
Robert Donald Crouse						
Vicki	3	11 03	305	21 025	3 6	765
Audrey	3	8 05	305	21,510	4 4	951
Paula	3	7 04	305	24,171	3 1	760
May	3	6 04	276	21,395	3 9	839
Babe	3	2 11	305	20,592	4 0	819
Paul & Doris Daniels						
Teddy	3	5 03	305	18,048	4 4	795
Moyers Village Farm						
Tina	3	6 06	305	25,332	3 5	891
Penrose and James						
Gracie	3	7 04	305	22,357	3 6	813
Dottie	3	6 01	305	25,023	3 4	848
Geyelle	3	5 04	305	21,740	3 8	830
Countes	3	3 02	305	25,675	3 4	874
Paul & Patt Keeler						
25	3	7 01	305	19,098	4 0	762
Carl R Kresge						
Dancer	3	9 07	305	20,711	3 8	784
Pansy	3	6-03	287	23 480	3 5	815
David R Wolfinger						
Koshi	3	3-09	297	21,785	3 7	798
Fred R Bosworth						
Heather	3	5 05	305	21,085	3 9	825
George & David Bishop						
Sugar	3	6 04	305	24,842	4 2	1047
Maid	3	5 05	305	23 004	3 5	801
Harold-Tom Haldeman						
Yeller	3	4 01	305	17 833	4 3	761
Bishcroft Farm						
Elaine	3	9 10	305	23,696	3 6	851

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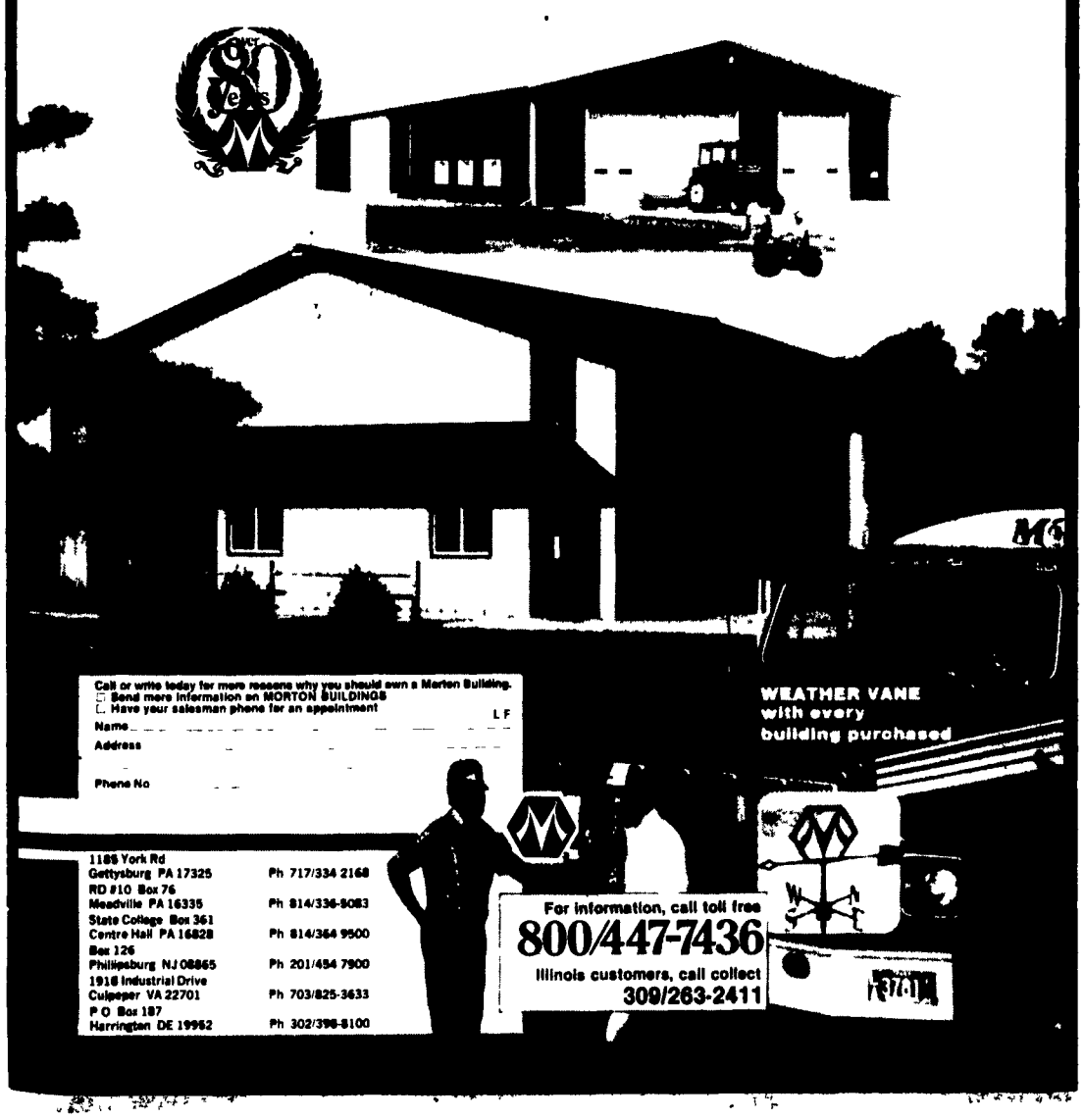
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Papillon, TransAgra aid ADA/DC dairy promotions

SYRACUSE, N.Y. – Two agribusinesses specializing in forage technologies and agriculture research and marketing are teaming up with the American Dairy Association and Dairy Council to promote dairy products.

As an incentive to area dairymen to participate in a series of forage seminars, Papillon Agricultural Products and TransAgra International Inc., will continue money toward the purchase of milk promotion billboards.

For each dairyman who attends one of the seminars, which will be held throughout the Northeast, the corporate sponsors and local feed dealers will purchase 6'x10' "Milk's Got More" billboards from the American Dairy Association and Dairy Council.

The ADADC, located in Syracuse, NY and Williamsport, PA is a dairy farmer funded and directed milk marketing agency serving New York, Pennsylvania, and New Jersey. Dairymen who attend the seminar will have a sign placed in their area.

The seminars will provide area farmers with forage production information. Highlights of the event will include two presentations given by faculty members from Kansas State University and New Mexico State University.

Their research topics include the role of fermentation aids insilage management and the benefits of bailing hay at a higher percent moisture.

Another feature of the seminar series will be the introduction of the product Culbac. Culbac is a low cost, non-acid hay and silage preservative. A presentation will be made on the use of Culbac in higher moisture hay and its use in haylage and silage.

For more information concerning the forage seminars, contact your local Culbac dealer or phone Papillon Agricultural Products at 301-820-7400.

Representing Papillon, Tom Haschen confirms agreement to help promote dairy products in the Northeast by purchasing "Milk's Got More" billboards from the American Dairy Association and Dairy Council. From left to right, Bruce Krupke, Dairy Marketing Specialist ADADC, Tom Haschen, President of Papillon Agricultural Products, Preston Goslee, Dairy Marketing Specialist ADADC.

Potter Co. DHIA

POTTER COUNTY DHIA
October, 1985

Ivan Kibbe Jr	RH	91 6	91 8	19 964	804
Ivan Smoker & Sons	RH	104 3	86 6	20 148	766
Jack Thomas Sr	MX	50 5	89 2	19 835	762
Robert Francis	RH	41 0	82 7	19 022	733
Snyder Farms	RH	40 1	88 6	20 232	731
Jack Thomas Sr	MX	54 7	87 9	19 098	726
George Barker	RH	60 4	84 7	18 600	719
Carl Erway Farm	R&GH	105 0	85 1	17 812	696
Jack Knowlton	RH	60 9	87 5	19 962	693
Guy Dunn	RH	54 8	89 0	18 288	686
Jay Heisey	RH	73 4	87 6	18 270	685
R Own Farms	R&GH	67 9	84 9	18 871	681
John C Traub	R&GH	42 2	87 0	18 117	676
Alvin Miller & Son	RH	85 8	88 8	16 859	675
John H Lehman	RH	83 3	89 1	16 992	661
Dale Hoffman	R&GH	71 2	88 4	19 580	661

COWS WITH LACTATIONS OVER 750# BUTTERFAT
IN POTTER COUNTY IN OCTOBER, 1985

R Own Farms						
Lady	H	5 11	305	18 916	4 4	838
Guy Dunn						
Silver	H	6 11	305	25 600	3 8	975
Alvin Miller & Son						
#94	H	4 0	305	18 081	4 3	774
#101	H	3 0	305	21 605	3 7	796
George Barker						
Sonar	H	8 0	305	23 596	3 3	781
Thunder	H	6 10	305	23 068	4 2	976
Bagel	H	4 5	305	20 848	3 8	789
Spyder	H	3 3	298	19 770	3 9	776
Robert Francis						
Mandy	H	6 4	289	20 476	3 8	775
Sheba	H	4 9	305	20 615	3 7	768
Karson	H	2 8	305	20 904	4 2	872
Snyder Farms						
Dash	H	6 4	305	23 120	3 5	805
Dean Lampman						
Amy	H	4 3	305	16 720	5 0	828
Crystal	H	3 10	305	17 004	4 5	770
Lisa	H	3 10	296	18 323	4 3	783
Stan & Sarah Brubaker						
#49	H	4 4	305	22 369	3 4	764
Jay N Heisey						
Isabell	H	4 10	305	28 265	3 4	954
Lorisa	H	4 3	296	22 350	3 7	820
Dale Hoffman						
Tammy	H	7 11	305	24 159	3 8	920
Kevin Risser						
Lisa	H	3 5	300	17 900	4 3	775
James Cady						
#19	H	3 1	305	18 539	4 3	794
Gene & Phyllis Thompson						
#196	H	4 1	305	22 357	3 8	853
Jack Thomas Sr						
Dove	H	7 1	300	22 152	3 5	780
Isis	H	6 1	305	20 278	3 9	794

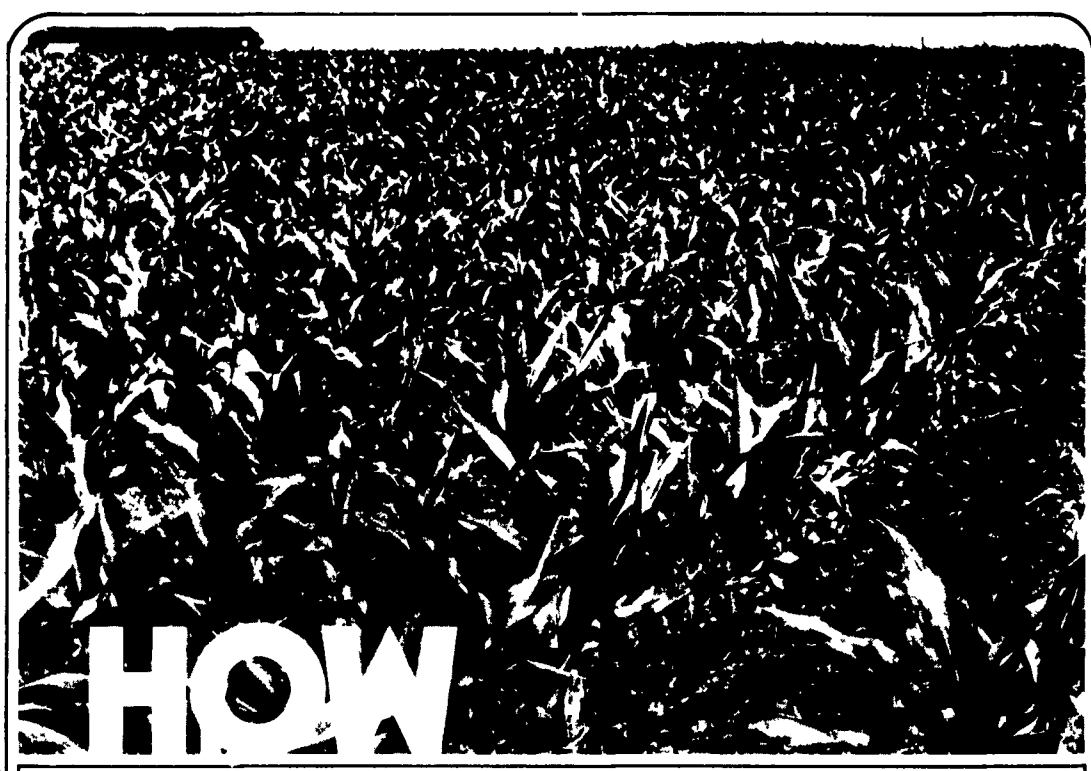
Souderton firm buys feed dealer

SOUDERTON, PA. – Farm Bureau of Souderton has purchased Van Mar Feeds, Inc., Shoemakersville, which was formerly owned by the Elmer Martin family.

Farm Bureau plans to expand services in the Berks County and surrounding areas.

Ernest Shane of Oley, a Farm Bureau employee of 15 years, will have overall management responsibilities.

Farm Bureau is a farmers cooperative with several retail and feed manufacturing plants throughout the state.



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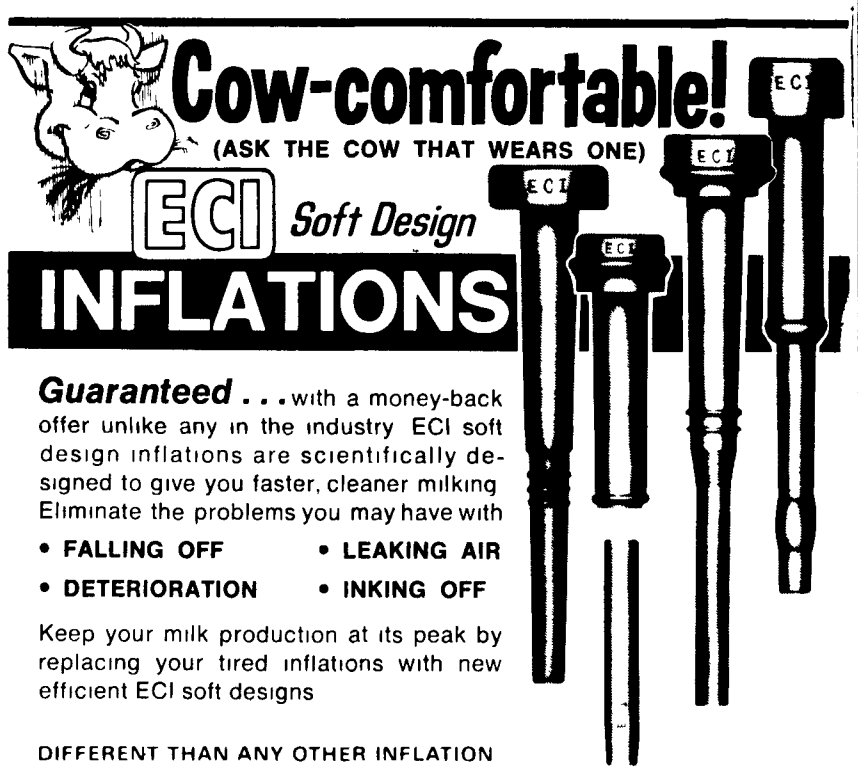
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1986 Pa. Farm Show Schedule

LIVESTOCK SCHEDULE — JUDGING, SALES, CONTESTS

Type of Livestock	January 11 SATURDAY	January 12 SUNDAY	January 13 MONDAY	January 14 TUESDAY	January 15 Wednesday	January 16 THURSDAY	January 17 FRIDAY
HORSES Large Arena			9 30 a m Belgian Clydesdale 11 00 a m Percheron 7 00 p m Hitched Classes 4 H Demonstration		4 30 p m Horse Pulling Contest Six Horse Hitch	6 00 p m Pony Pulling Contest	
DAIRY CATTLE Large Arena				8 00 a m Guernsey Brown Swiss Milking Shorthorn 9 30 a m Holstein 11 00 a m Ayrshire Jersey			
BEEF CATTLE Large Arena (unless noted otherwise)					9 00 a m Polled Hereford Angus 11 00 a m Limousin 12 noon Charolais 2 00 p m Simmental	8 30 a m Jr Beef Breeding Angus Charolais Simmental 12 noon Jr Steer Classes 3 15 p m Jr Beef Showmanship	1 30 p m Jr Steer Sale Small Arena
SHEEP Small Arena	6 00 p m Carcass Lambs	11 00 a m Cheviot Dorset Hampshire Shropshire Southdown Suffolk	9 00 a m Wool Judging 5 00 p m Wool Judging 5 00 p m Corriedale Rambouillet	7 00 p m Jr Sheep Blocking & Grooming Contest	8 30 a m Jr Breeding Sheep 10 00 a m Jr Market Lambs 1 00 p m Jr Lamb Showmanship 6 00 p m Sheep to Shawl Contest		12 30 p m Jr Market Lamb Sale
SWINE Small Arena	8 00 a m Berkshire Duroc Hampshire Landrace Spotted Swine Yorkshire		SALES 10 00 a m Landrace 12 noon Yorkshire 2 00 p m Spotted Swine	SALES 10 00 a m Berkshire 12 noon Duroc 2 00 p m Hampshire		8 30 a m Jr Market Swine 1 00 p m Jr Swine Showmanship	10 00 a m Jr Market Swine Sale
DAIRY GOATS Large Arena							9 00 a m Dairy Goats

AG ORGANIZATION MEETINGS SLATED FOR 1986 FARM SHOW WEEK

SATURDAY, JANUARY 11

3:30 p.m. . . . . .Pa Cooperative Swine Breeders Association, Room B-Farm Show Building

SUNDAY, JANUARY 12

4.00 p m . . . . .Pa Dorset Breeders, Room A-Farm Show Building
Pa Christmas Tree Growers Annual Meeting, Hershey Lodge & Convention Center

MONDAY, JANUARY 13

Pa Christmas Tree Growers Annual Meeting & Banquet, Hershey Lodge & Convention Center
12 noon . . . . . .Pa. Hampshire Swine Breeders Association, Room D-Farm Show Building
1:00 p m . . . . . .Pa State Grange, Room B-Farm Show Building
1:00 p.m . . . . . .Master Corn Growers Association, Room E-Farm Show Building
4:00 p m. . . . . .Pa. Cooperative Swine Breeders Association, Room D-Farm Show Building

TUESDAY, JANUARY 14

Pa Christmas Tree Growers Annual Meeting, Hershey Lodge & Convention Center
9.00 a.m. . . . . .Society of Farm Women of Pa., Rooms D & E-Farm Show Building
1:00 p.m. . . . . .Pa. Brown Swiss Association, Room A1-Farm Show Building
1:00 p m. . . . . .Pa. Jersey Cattle Club, Room B-Farm Show Building
2:30 p.m. . . . . .Pa Ayrshire Breeders Association, Room C-Farm Show Building
6 30 p.m . . . . . .Pa. Angus Association Annual Meeting & Banquet, Host Inn
6.30 p m. . . . . .Pa Dairymen's Association Annual Banquet, Penn Harris Motor Inn, Camp Hill
7:00 p m. . . . . .Pa. Draft Horse & Mule Association, Room C Farm Show Building

WEDNESDAY, JANUARY 15

9:00 a m . . . . . .67th Annual Mid Winter Convention, Future Farmers of America, Harrisburg Forum
3 00 p m . . . . . .Pa. Charolais Association, Room A1-Farm Show Building
5 00 p.m. . . . . .Pa. Simmental Association, Room D-Farm Show Building

THURSDAY, JANUARY 16

9:00 a m . . . . . .4-H Potato Grading, Room E-Farm Show Building
Pa. Cooperative Potato Growers, Harrisburg, Sheraton Inn
Pa. Nut Growers Association

SHOW HOURS

Sunday . . . . . .Noon to 6:00 p.m.
Monday-Thursday . . . . . .8:00 a.m. to 8:00 p.m.
Friday . . . . . .8:00 a.m. to 4:00 p.m.

Free Admission; $2 Parking Fee

FEATURES IN THE LARGE & SMALL ARENAS

SUNDAY

11:15 a.m. . . . . .Non-Denominational Worship Service
Noon . . . . . .Opening Ceremonies—Music by Cumberland Valley H.S. Band
1-6 p.m. . . . . .Show open to public

MONDAY — **SECRETARY OF AGRICULTURE'S NIGHT**

6:30 p.m. . . . . .Awards:
*70th Farm Show Theme Award
*Farm-City Awards
*Farm Family Award
7:00 p.m. . . . . .Border Collie/Sheep Dog Exhibition
7:15 p.m. . . . . .Cumberland County 4-H Horse & Pony Demonstration
Hitched Horse Competition

TUESDAY — **MASTER FARMERS' NIGHT**

6:00 p.m. . . . . .Daigozivo Dance Group
Folk Dance Festival
7:00 p.m. . . . . .Junior Sheep Blocking & Grooming Contest (Small Arena)

WEDNESDAY

4:30 p.m. . . . . .Lightweight Horse Pulling Contest
Six-Horse Hitch Demonstration
Heavyweight Horse Pulling Contest
6:00 p.m. . . . . .Pennsylvania Sheep to Shawl Contest & Auction of shawls (Small Arena)

THURSDAY

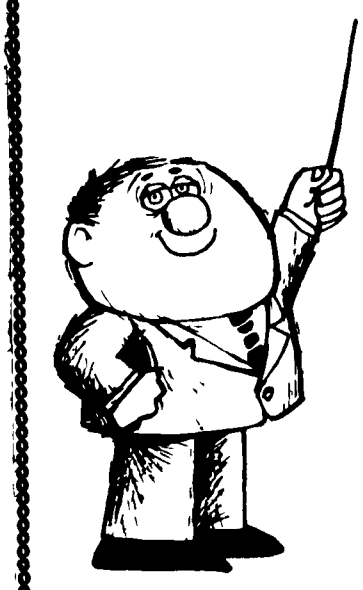
6:00 p.m. . . . . .State Championship Pony Pulling Contest

**The Governor's Mansion will be open to the public Monday and Tuesday of Farm Show Week from 10 a.m. to 2 p.m.

BUY, SELL, TRADE OR RENT THROUGH THE

CLASSIFIED ADS

PHONE: 717-626-1164 or 717-394-3047
Mon., Tues., Wed. 8 AM to 5 PM - Thurs. & Fri. 7 AM to 5 PM



A LESSON WELL LEARNED...

Lancaster Farming's CLASSIFIED ADS GET RESULTS!

Phone: 717-394-3047
or 717-626-1164

1 FARM EQUIPMENT

FOR SALE: 2R custom built corn planters w/JD max-emerge units. Pull type or 3 pt., no-till or conventional, with or without fertilizer attachment. For brochure: Pequea Planter, RD2, Box 2276, Gap, PA 17527.

FOR SALE: 345 Mustang skid loader; 930 Case diesel tractor; AC 14' wing disc. 717-684-3579.

FOR SALE: Caterpillar 212 grader; 1971 GMC dump truck, 478 V6 engine; Stearns auto block manufacturing machine. J.R. TOBIAS, RD4, Box 156, Halifax, PA 17032. Phone 717-362-9126 between 8 & 9PM.

Farmall H tractor, snow blade, cultivators, good rubber, A-1 condition, $2,400. 301-833-5228.

Farm fan Model 350 batch grain dryer/augers. 609-259-3733.

FOR SALE: 1986, 860 MF V8 hydro, corn grain soybean, $76,000. 1984, 860 MF V8 hydro corn grain soybean, 750 hrs., $47,000. Contact Norman Franz, 316-227-7679.

FOR SALE: 1983, 2,000 gal. Creamy Package Bulk Tank w/2-5HP compressor, $6,500 cash. Catepillar D6U bull dozer, $4,000; 1978 S-2275 IH tractor, 290 Cummings 9SP, $14,000; 44' Strick drop deck hay trailer, $7,500; 1973 IH 2100 dump truck, $8,000; Hedlund Martin liquid manure spreader, 3,300 gal., $6,500; Butler Oswald mixer wagon, 170 bushel, $4,000. Big Pine Meadows Farm, Inc., RR1, Box 475, Northfield, MA 01360. 413-498-2976 or 498-5048.

Cub LoBoy 1PTH, hydraulic, some attachments; Int'l 2 bottom, roll-over plow, Farmec 24' elevator, like new; Farmhand grinder blower for high moisture corn. 717-687-0102

Cub LoBoy 1PTH, hydraulic, some attachments; Int'l 2 bottom, roll-over plow, Farmec 24' elevator, like new; Farmhand grinder blower for high moisture corn. 717-687-0102

D4 Caterpillar w/blade and winch, excellent. 814-793-4293

D6 Caterpillar w/blade, good condition. 814-793-4293

Demo 4 wheel drive diesel, 55HP tractor; $9,980. Demo 2 wheel drive 46HP diesel tractor, $6,950. 301-833-1847.

Case Diesel, 4WD Payloader w/cab, in good running condition, $6,000. 717-532-8601.

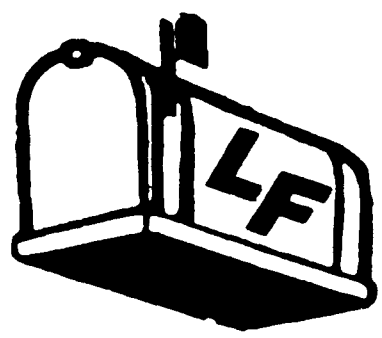
COMBINE: IH 715 Gas, Cab, duals, corn & soybean special, 744 corn head, grain head, nice condition, $3,500. 301-833-9091.

Combines, corn heads, grain heads-inventory moving fast. It's hard to keep up with advertising. Wholesale prices only. Call us. Larry Stalter, "The Combine Man". 219-862-2151

CRAWLER TRACTOR PARTS
New and Used Parts Available for Cat, Allis Chalmers, IHC, Case, John Deere and others.
Rubber tired construction equipment parts available for Hough, Michigan, Galion and Cat Road Graders.
Call or write for equipment and parts brochure.
VILSMEIER EQUIPMENT, INC.
Route 309
Montgomeryville, Pa. 18936
Phone: 215-699-3533

CLASSIFIED AD ORDER BLANK

PLEASE WRITE CLEARLY



MAIL TO:
LANCASTER FARMING
P.O. Box 366, Lititz, PA 17543

NOTE: Please do not use this form for Mail Box Market Ads, see instructions in Section D with Mailbox Markets.

DEADLINES:
SECTION B - WEDNESDAY AT 5:00 P.M.
SECTION C - THURSDAY AT 9:00 A.M. OF EACH WEEK'S PUBLICATION

Lancaster Farming
P.O. Box 366
Lititz, PA 17543
717-394-3047
or Lititz
717-626-1164
Mon., Tues., Wed.,
8 a.m. to 5 p.m.
Thurs. & Fri.
7 a.m. to 5 p.m.

The following categories are available for your classified advertising in Section C. Deadline-Thursday morning at 9 of each week's publication

1 - Farm Equipment
2 - Farm Equipment Wanted
3 - Silos and Unloaders
4 - Building and Supplies
5 - Grain Equipment
6 - Dairy Equipment

The following categories are available for your classified advertising, in Section B. Deadline-Wednesday afternoon at 5 of each week's publication.

7 - Livestock Equipment
8 - Cattle
9 - Horses & Mules
10 - Sheep & Goats
11 - Swine
12 - Artificial Breeding
13 - Hog Equipment & Supplies
14 - Poultry & Supplies
15 - Feed & Seed
16 - Fertilizer
17 - Plants
18 - Fruits & Vegetables
19 - Nursery
20 - Lawn & Garden
21 - Services Offered
22 - Custom Work
23 - Help Wanted
24 - Situations Wanted
25 - Business Opportunities
26 - Household
27 - Pets
28 - Lost
29 - Found
30 - Computers
31 - Notice
32 - Miscellaneous
33 - Recreational Vehicles
34 - Autos
35 - Trucks and Trailers
36 - Real Estate

Name _____

Address _____

City _____ State _____

Zip _____ Phone (___) _____

Please publish my _____ word ad _____ times starting with the _____ issue. Classify under _____. I enclose _____.

Box Replies: Ads with answers coming to a box number, c/o Lancaster Farming: $2.00 additional. This newspaper will not be responsible for more than one incorrect insertion of any advertisement.

CLASSIFIED ADVERTISING RATES

29¢ per word per week - 1 or 2 times
23¢ per word per week - 3 or more times
11 word minimum

Words	1 Time	2 Times	3 Times
up to 11	3.19	6.38	7.59
12	3.48	6.96	8.28
13	3.77	7.54	8.97
14	4.06	8.12	9.66
15	4.35	8.70	10.35
16	4.64	9.28	11.04
17	4.93	9.86	11.73
18	5.22	10.44	12.42
19	5.51	11.02	13.11
20	5.80	11.60	13.80

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25
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36	37	38	39	40

MESSICK FARM EQUIPMENT, INC.

case IH

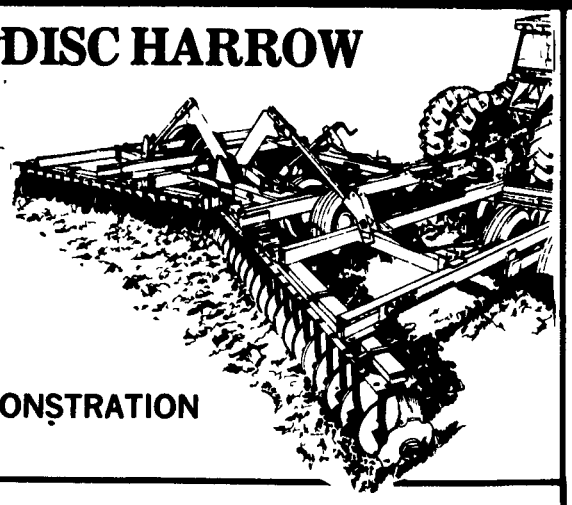
"The Best Of Two Worlds"

Farm Equipment Is Our Business
RHEEMS EXIT, RT. 283, ELIZABETHTOWN, PA.

PH: (717) 367-1319 Toll Free In PA. 1-800-222-3373 Warren Spickler-Home 653-4560 We Ship UPS

CASE IH 496 DISC HARROW

w/Rock Flex Bearing Hangers And Long Lasting Earth Metal Blades



In Stock, Ready To Go

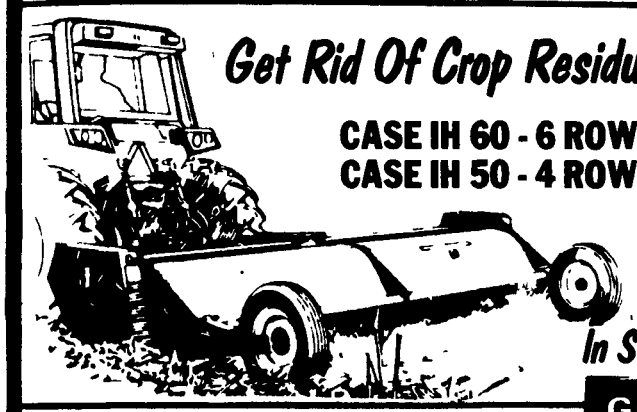
CALL FOR A DEMONSTRATION

GET THROUGH TOUGH CONDITIONS

Need To Chisel?
Need To Haul Manure On Wet Ground?

Try The
CASE IH MODEL 3294 4 WD TRACTOR
162 PTO HP

Call For Demo



Get Rid Of Crop Residue In A Hurry!

CASE IH 60 - 6 ROW SHREDDER
CASE IH 50 - 4 ROW SHREDDER

w/4 Wheels & Shear Angle For Finer Shredding

In Stock, Ready To Go!

Coming In...

- IH 886D w/Cab, A.C.
- IH 574D w/3 Pt. Hitch
- Case 1816 Uni-Loader
- IH 55 9 Tooth Chisel Plow
- IH 45 Vibra Shank
- JD 4 Row Cultivator
- IH 4 Row 56 Planter
- NH 451 Sickle Bar Mower
- NI 325 2 Row Cornpicker
- 3 Gravity Boxes
- 36 Ft. Elevator
- Farmall F12 w/Cult.
- JD KBA 10 Ft. Transport Disk Harrow
- Brillion Cultipacker, 14 Ft.
- Walsh 200 Gal. Sprayer
- Farmhand Wheel Rake
- Duals 18.4x34

On Display:
- MODEL 2096 2 WD, 110 HP
- MODEL 2294 2 WD, 131 HP

GOOD CLEAN USED EQUIPMENT

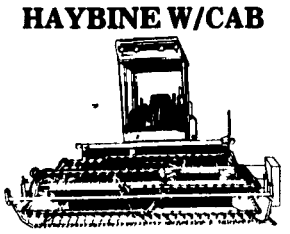
TILLAGE
- Oliver 4 Row Cultivator
- IH Model 450 Plow
- 7 Tooth Glencoe Soil Saver
- IH 720 Plow 5 Bottom 18 w/Hillside Hitch
- 7 Tooth Glencoe Soil Saver Ex
- Brady 12 Ft Field Cultivator

MISCELLANEOUS
- NH 960 Grain Platform 13
- 1 Pr Dual Wheels & Tires 31x5 15 x15 8 Ply
- 1 Pr Dual Wheels & Tires 18 4x26 6 Ply
- Walsh 300 Gal Trailer Sprayer w/Boom (Used 1 Time) ONLY $1 350

HAY & FORAGE
- NH 275 Baler w/Thrower
- IH #40 Shredder, 4 Row
- NH 2 Row Snapper 30" Rows
- NH 718 Chopper w/Head
- IH 56 Blower
- IH 555 Forage Harvester w/Cornhead & Pickup Attachment
- NH 269 Baler
- NH 320 Baler w/Thrower (Ex Cond)
- NH 489 Haybine
- NH 852 Round Baler Auto Tie, Excellent
- NH 273 Baler w/Thrower
- Studebaker Truck w/No 8 Forage Wagon
- Hesston Mower Cond , 9 Ft Cut, Ex Condition
- (2 [illegible] Forage Box Wagons
- JD 60 Blower
- NH 238 Tandem Axle Wagons
- AC Forage Box
- Used Field Queen Self-Propelled Harvester, Cat Diesel w/Cab, 3 Row Head & Hay Pickup Head, Good Cond

SKID LOADERS
- NH L775 Diesel w/Backhoe
- Case 1737 w/Bucket & Manure Fork Good Condition ONLY $3,950
- NH L425 w/Bucket
- IH 3200 Skid Loader w/2 Buckets

NH 1495 SELF-PROPELLED HAYBINE W/CAB



Air, Hydrostatic Drive, Diesel Engine, Excellent Condition.

SPREADERS & GRINDER MIXERS
- NH 519 Spreader w/Top Beater Gate Splash Guard
- NH 676 Spreader w/Hyd Gate
- NH 512 Single Beater
- NI 214 Spreader /Double Beater Original Paint On Floor Like New
- NI Tandem Axle w/Top Beater Ex Condition ONLY $3 850
- NI Model 245 Spreader Ex Condition

TRACTORS
- Farmall 460
- IH 350 Fast Hitch
- IH Farmall Cub w/Mower
- IH 2444 w/Loader
- Ford 30 w/Mower
- IH 574 w/Loader Ex Condition
- IH 500C Crawler Diesel w/Bucket Ex Cond

PLANTING & SEEDING
- IH 400 Planter w/Liquid Fertilizer, 4 Row
- IH 400 Planter, 6 Row, w/Dry Fert
- Ontario Grain Drill, 16x7

ATTENTION FARMERS: If Parts Are Needed After Hours To Keep You Going, Call Jay Gainer, Our Parts Mgr. At Home 653-2238.

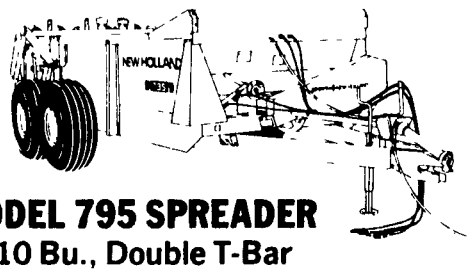
YOUR NEW HOLLAND EQUIPMENT HEADQUARTERS

NH MODEL 791 SPREADER

In Stock

- 360 Bushel
- Extra Heavy Pintel Chain

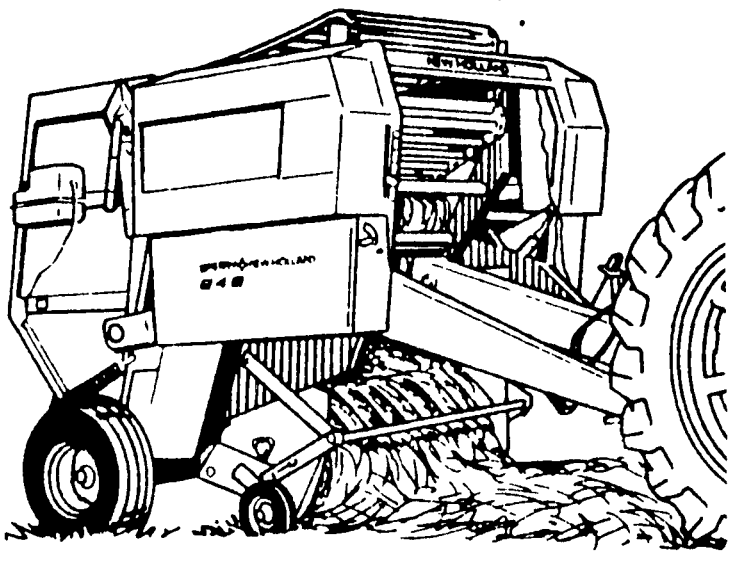
Waiver of Finance till Sept. 1, 1986



MODEL 795 SPREADER
410 Bu., Double T-Bar Chain

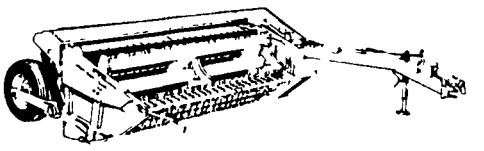
ALL NEW N.H. 848 BALER

Featuring:
Exclusive MEMORY WRAP™
Picture Perfect Bales



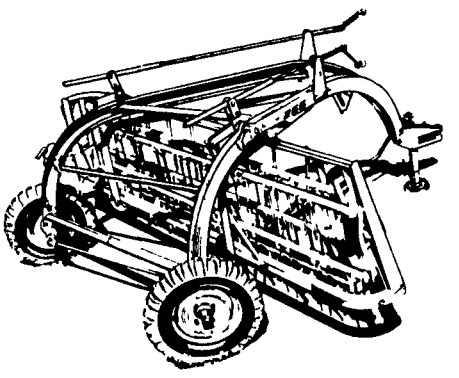
0% FINANCING For 18 MONTHS

NH MODEL 489 MOWER CONDITIONER



Cut fast, avoid damage makes a nine-foot cut, fast. The rolls on the "489" are in the main frame, not in the header. So the header is light, to glide over rocks and obstructions with less chance of damage.

NH MODEL 256 ROLABAR® RAKE



The Farmer's First Choice

NEW HOLLAND

0% FINANCING FOR 18 MONTHS

- Waiver of Finance On All New Hay & Forage Equipment Till July 1 or Sept. 1, 1986

Spreaders & Grinder Mixers Till Sept. 1, 1986

OR • Big Cash Rebates
OR • 0 % Financing - 12 Mos. • 8.9% Financing - 36 Mos.
• 7.9% Financing - 24 Mos. • 10.9% Financing - 48 Mos.

MESSICK FARM EQUIPMENT, INC.

RHEEMS EXIT — RT 283, ELIZABETHTOWN, PA
PHONE: 717-367-1319, 653-8867
TOLL FREE IN PA. 1-800-222-3373
WARREN SPICKLER HOME 653-4560
★ WE SHIP UPS

VISA

1 FARM EQUIPMENT

For Sale: Ford 3000 gas tractor, in good condition. $3200. 215-488-7155, 215-488-7658.

For Sale: IH 986, 4 post, low hours, triple remotes, weights, good rubber, $14,900. S.P.E., Inc. 717-265-4440.

For Sale: JD 4440, 81 model, cab, air, heat, radials, very good condition. 215-383-6818.

For Sale: JD Wheel & front end weights while they last. 717-532-8601.

For Sale: JD 3130 dsl., independent PTO, high-low shift, 38" tires, excellent condition, same as 2840. $5900. 215-445-6156.

For Sale: JD 4630, good condition, $14,500. JD 7000 Conservation corn planter, liquid fertilizer, excellent condition, $5500. 717-374-1826.

For Sale: Nesseth 28' Lagoon pump w/agitator attachments, 2 years old, excellent condition, $4500. 717-297-4246.

For Sale: NH 469 Haybine, $1500. 215-383-6818.

Gould water pump, 550 GPM, $250; pony saddle, $75. 717-266-2548.

IH 1250 Grinder-Mixer w/scales. Hammers never turned. Asking $3500. 717-243-3863.

IH 544 gas hydro w/3000 loader, 4 post, needs paint, $3,700/offer. 301-833-9091.

IH 584 diesel, like new condition, $8,200; JD 2030 dsl., good condition, $5,800. 717-733-4583.

IH 806 diesel tractor for parts, engine in excellent condition; JD 7000, 4RN corn planter. 717-273-2910.

IHC 986 cab & air; Triple 6; 1066; 656; New JD 2950; 3020; 4020; IHC 710, 4 bottom auto. reset plow; Case 2670 Cab & Air, low hrs.; 1370 Cab & Air. 717-292-1856.

Int. 1066 w/cab, new tork, excellent condition. 814-793-4293

Int. 684 D. tractor, approx. 1400 hours. Asking $11,500 or make offer. 215-588-7019 between 5 & 6PM.

Int. 856, original paint, dual hydraulics, 38" rubber, excellent condition. 814-793-4293.

IRRIGATION PIPE & HUMIDISTAT: 600' used 6"x30'. Also, Humistat by Hygrodynamics, Inc. 717-532-9108.

JD 2440 tractor, dual outlets, weights, canapy, nice, $8,500. Also, JD 146 Loader, 72" bucket, nice, $2,650. 301-733-2195.

JD 24T Baler w/thrower, nice, $1500. 717-532-8601.

JD 2640, outlets, low hrs., $7,800. 301-833-9091.

JD 3020 diesel with wide front, new tires, very nice. Price, $5,700. 717-532-7054.

JD 3020 diesel, WF, very nice. $5,700. 717-532-7054.

J.D. 4020 Diesel, PS, recent engine overhaul, good condition. 717-653-2557.

JD 4020 diesel, side console, very nice. Price, $7,000; also have JD 4010 diesel in nice condition. 717-532-7054.

JD 4040 tractor, w/sound guard cab, only 1900 hrs., $13,800. 717-532-7054.

JD 4230 w/4 post roll guard, QR trans. 717-532-7054.

JD 4240 4WD, very nice condition. 717-532-7054.

JD 4430, 4 wheel drive with cab, very nice. Only $12,500. 717-532-7054.

1963 JD 4010 diesel, NF, dual hyd., has 4020 sleeve kit & injection pump. Nice condition. $3800. 717-532-8601.

1966 Int. Diesel tractor w/cab, very good condition. Bupplynn Farms, 717-428-1865.

1972 JD 4520, PS trans., 2502 hours, nice condition, $7,250. 717-532-8601.

1977 JD 4430, cab, air, 4WD, QR trans., low hours, $14,500. 717-532-8601.

1981 JD 4440, cab, air, QR, 4WD, 2400 hours, nice, $19,500. 717-532-8601.

1982 JD 4040 4WD, cab, air, low hours, in like new condition, $16,500. 717-532-8601.

1982 JD 4040, cab, air, QR trans., 1920 hours, in fair condition, $13,800. 717-532-8601.

1982 JD 4240 4WD, cab, air, QR trans., low hours, in showroom condition, $19,000. 717-532-8601.

1985 Brand new JD 2750, only one left, $15,800 cash. 717-532-8601.

21' Cattle Body, $1,000. 1975 Case 970, $6,500. 1975 Int. Loadstar 1700, $2,000. 301-775-2953.

2 JD 4040's. One with 4 wheel drive. Both have cabs and in excellent condition. 717-532-7054.

2 JD 4240's. One with 4 wheel drive. Both have cabs and in excellent condition. 717-532-7054.

2 JD 4440's. One with 4 wheel drive. Both have cabs and in excellent condition. 717-532-7054.

Tractors: Int. 1066 w/cab; 966 Cab; 856 Cab; 806; 766; 706 Dsl.; 706 Gas; 656 Gas, Hydro; 656 Gas; (2) 560 Dsls.; 460 w/Loader; 460 w/234 Picker; 460; 450; Super MTA w/NI picker; (2) M's; H; JD 4020 PS; 4010; 3010; 2010 w/Loader; (2) 730 Dsls.; 730 Gas; Oliver 1755 Cab; 88; JD Dozers; 420 w/Loader; 40 w/Blade and wench; MC w/blade; Plows: 2-6 bottom; new 2 axle 16' trailers, $1,375; All types of farm eq. Gary Leader, 814-652-2809.

445 Mustang Skid Loader w/Perkins diesel engine & hydrostatic drive, engine needs work, $3,000. Cumberland Co. 717-532-3360.

702 NI Uni System, GMCV 6, 120 hp w/cab, 737 Husker, 725 3RN head, 2RW head. 760 Harvester & 763 3RN head, good condition. $7,900 or best offer. Will separate. 717-653-9554 eves. No Sunday calls.

95 Gehl Grinder Mixer, in fair condition, $1800. Cumberland Co. 717-532-3360

AC XT190 diesel, original paint, new rubber, excellent condition. 814-793-4293

JD 3020, power shift, dual outlets, just overhauled, nice, $6,200. 301-733-2195.

CRAWLER TRACTOR PARTS
Dismantling Crawler & Rubber Tire Construction Equipment. Most makes & models available.
AC, Case, Cat, JD, IH, Michigan & others. Used & new parts available.
NEW ARRIVALS INCLUDE:
Detroit 2-71 engine, $1350.
AC HD-7G 7,000 Series engine, $2500.
IH 175B DT-361 engine, $2750.
Balanda Equipment Co.
PO Box 337
Hatfield, PA 19440
215-855-9207
Day or Night

Backhoe: MF 50, needs some work, $2,500. 301-833-9091.

Brand new JD 2750 tractor. Priced for quick sale, $15,800. 717-532'7054.

FOR SALE: Horse drawn manure spreader on rubber, good condition, $350. Used Willys Jeep parts. Bedford Co. 814-784-5533.

FOR SALE: JD 7000 Planter, 6R, $4,900; Hawk Built Spreader, 257, tandem axle, $800; Gehl 120 Grinder Mixer, hyd. drive, $1,400. 717-733-0575.

FOR SALE: JD 40 combine, 10' head, hillside attach., square back; JD 50 tractor. J.R. TOBIAS, RD4, Box 156, Halifax, PA 17032. Phone 717-362-9126 between 8 & 9PM.

Ford 5-bottom plow, 18", spring reset, on-land hitch, $1600. 703-721-2150.

For Sale: 1979 4630 John Deere, $16,000. plus 20' JD folding disc, $4,000. 609-451-7841, 451-8692.

For Sale: 11' plow disc, $2,000; snow bucket for MF 200, $75; Oliver tractor parts. Truck parts. 717-444-3968.

For Sale: 100 farm tractors, 900 pieces of machinery, 40 crawlers, 20 backhoes, lots of used parts. We cover 25 acres. Some real good deals. Wengers Farm Mach. Inc., 251 S. Race St., Myerstown, Pa. 17067. 717-866-2135

For Sale: 2 Used tractor tires, 18.4x34, suitable for duals. 717-548-3116.

For Sale: 7 used Kubota tractors, various conditions & sizes, with or without tools. $2,600 to $5,600. Wengers Farm Machinery. 717-866-2135

For Sale: Corn Pickers: NI 325 12 roll; NI 325 8 roll; NI 324 12 roll. These units were rental units and will now be sold. Special prices. Juniata Co. 717-463-3371.

For Sale: Economy tractor, Power King w/dual trans., 4 & 5' mower, snow blower & plow. Asking $2,150. Lanc. Co. 717-786-7143.

Farmall 400, PS, fast hitch, wide front, live PTO, remote hyd., T.A., in good running condition. 717-687-0102.

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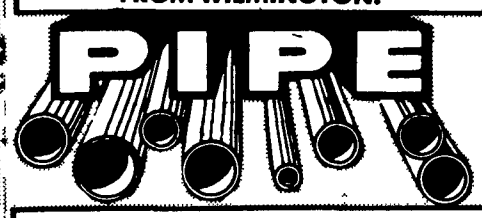

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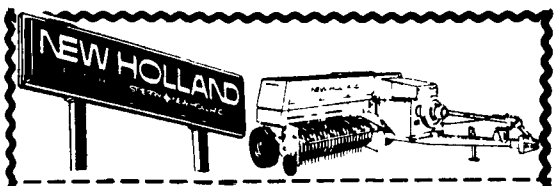

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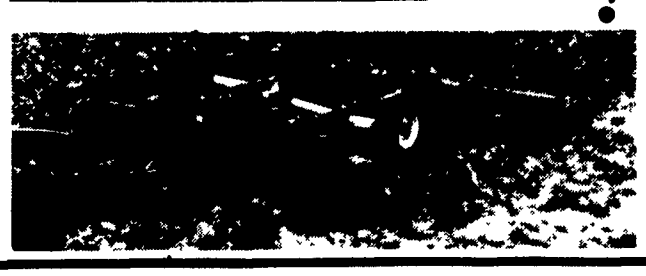

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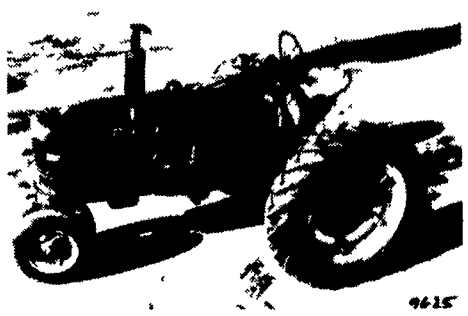
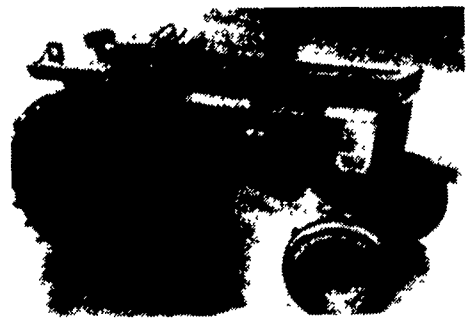
January 18th

USED TRACTORS



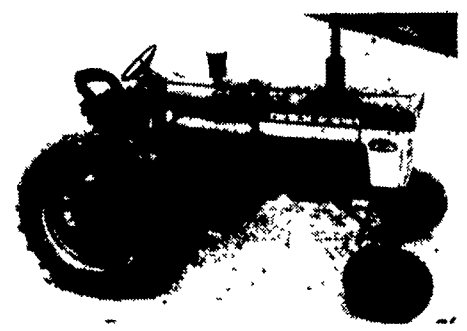
IH Farmall H, Clean Tractor (W9625) ~~$1,200~~ $1,025 **Save $175**

Deutz DX-160 Diesel, Cab w/Air, 18.4x38 Duals (W9694) ~~$25,000~~ ~~$18,900~~ **Save $6,100**

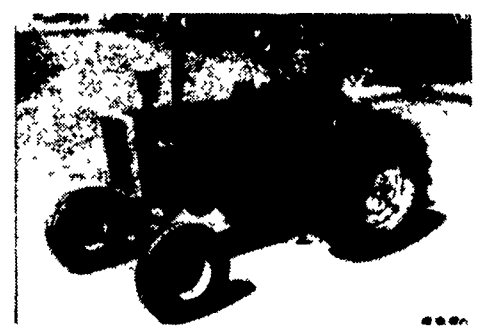


IH F1066D, 18.4x38 8P, Dual PTO, Gear (W1316) ~~$12,500~~ $11,700 **Save $800**

IH Farmall A w/Cultivators, Rear Wheel Weights 9x24 Tires (W1143) ~~$2,300~~ $1,875 **Save $425**

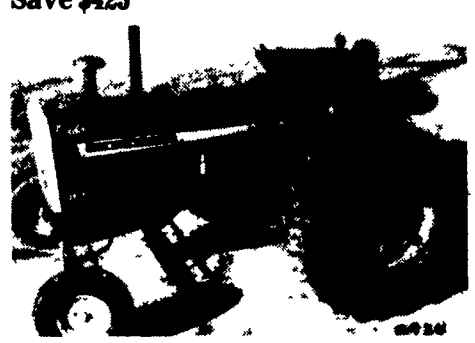


IH F560 Diesel, Gear, 2 Point Hitch, Wide Front (W9263) ~~$4,000~~ $3,200 **Save $800**



IH F1206D, New 18.4x38, Dual PTO, Extra Sharp Tractor (W9690) ~~$8,500~~ $7,500 **Save $1,000**

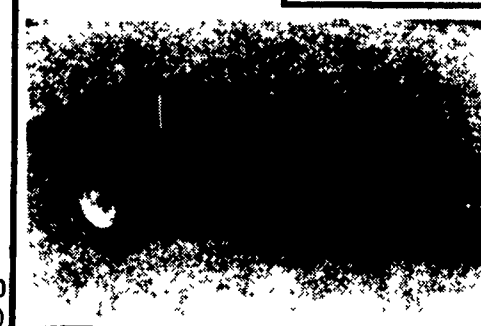
IH F1066D Hydro, 20.89x38 8 Ply Tires, Dual PTO (W1045) ~~$12,200~~ $10,500 **Save $1,700**



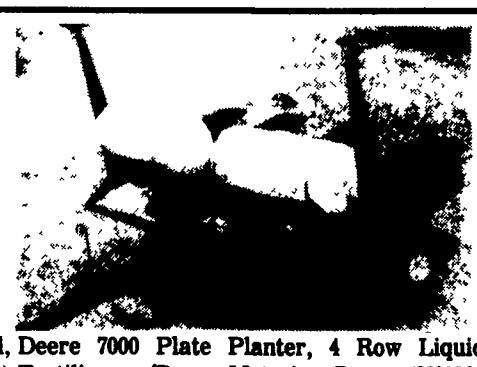
IH F1206 Diesel, Gear, 20.8x38 Tires, 120 HP, Cheap-Dependable Power (W8934) ~~$9,000~~ $7,000 **Save $2,000**

USED DISKS & MISCELLANEOUS

Deere 4840D, Powershift, 20.8x38 Duals, 1000 RPM PTO, Cab w/Air & Radio (W1180) ~~$28,000~~ ~~$26,500~~ **Save $1,500**

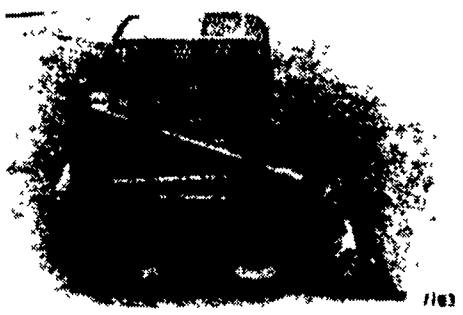


IH 540 Manure Spreader, 160 Bushel, Hydraulic Endgate, 8.25x20 Tires (V9769) ~~$3,000~~ $2,850 **Save $950**

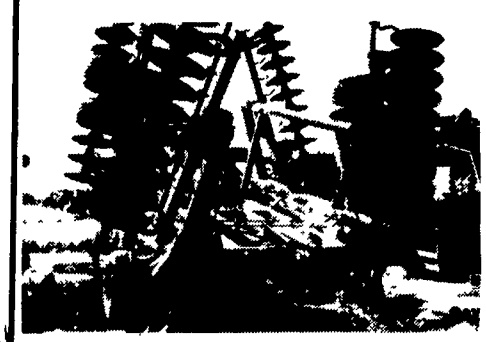


Deere 7000 Plate Planter, 4 Row Liquid Fertilizer w/Demo Metering Pump (V8298) ~~$5,500~~ $3,500 **Save $2,000**

IH 400 Cyclo Planter, 8 Row, Dry Fertilizer, Insecticide, No-Til, 30" Rows (V9947) ~~$3,200~~ $2,500 **Save $700**



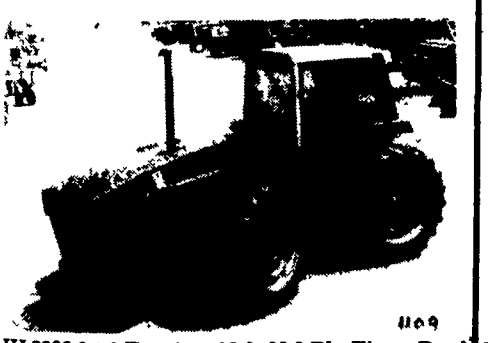
Ford CL-20 Skid Loader, Gas 8.50x15 Tires, 45" Bucket (W1183) ~~$5,000~~ $4,200 **Save $800**



Krause Model 2416 Rockflex Disc, 26' Heavy Duty, 1¾" Arbor Bolts (T9020) ~~$13,900~~ $12,900 **Save $1,000**

Bushhog Disc 10'9" Disc Spacing - Front, 7½ - Rear (T9109) ~~$2,150~~ $1,400 **Save $750**

Deere 110 Disc, 10'9" Spacing (T8034) ~~$2,500~~ $1,575 **Save $925**



IH 3388 2+2 Tractor, 16.9x38 8 Ply Tires, Dual PTO, Full 4-Wheel Drive (W1109) ~~$24,500~~ $22,500 **Save $2,000**

IH 510 18x7, Grain Drill w/Fertilizer, DD Openers (V9905) ~~$3,800~~ $3,100 **Save $700**

IH 710 Plow, 6F, 16" Automatic Reset, In-furrow (T7892) ~~$2,800~~ $2,100 **Save $700**

Deere 8300 Grain Drill, 16 Double-Disc Openers, 10" Spacing, Press Wheels (U9922) ~~$4,000~~ $3,500 **Save $500**

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NH 717 Harvester
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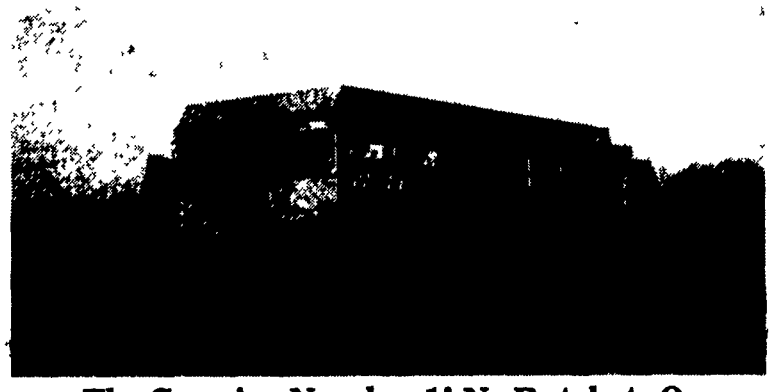

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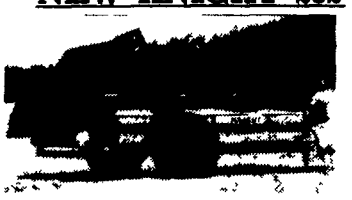

~~$5,835~~ $4,835

- **NEW KNIGHT 350 SOUPer SOLID** w/Tandem Axle, 3 Beaters (Including Widespread, Lower Spinner Beater For Fines or Liquid Slop) & Optional Top Beater
~~$7,985~~ $6,985

- **ALMOST NEW KNIGHT 350 SOUPer SOLID,** No. 1425, Tandem Axle, Liquid Endgate, Traded On Vacuum Unit
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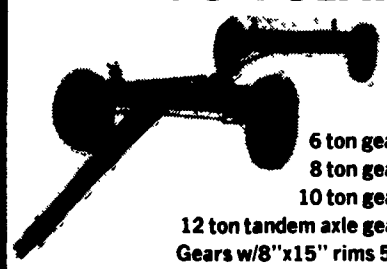

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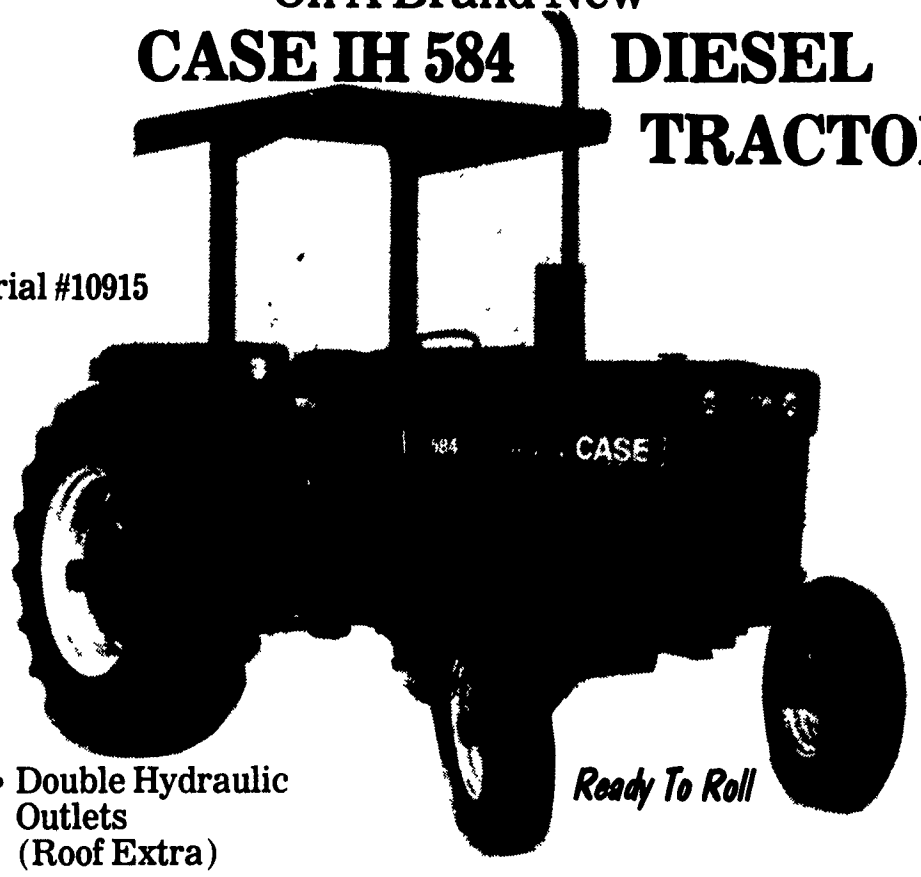

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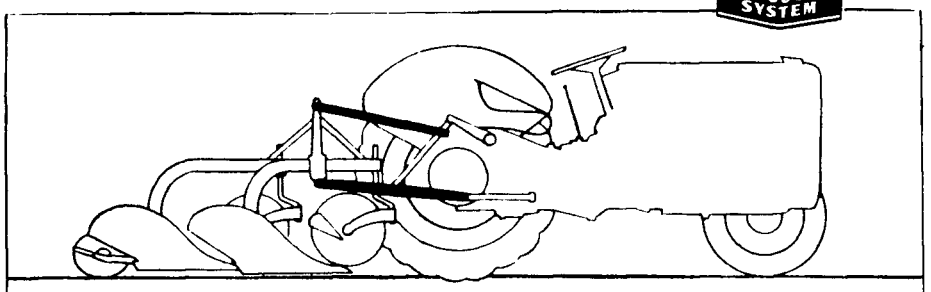

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Over 40 years ago, Mr Harry Ferguson began development of a new system of farming based on new and fundamentally different concepts of farm power. The tractor and implements which resulted have proved beyond all doubt that Mr. Ferguson's concepts have brought about a revolution in farm production methods.

Mr. Henry Ford saw in the Ferguson System a new and better way of farming. To help give life to the new idea, Mr. Ford applied his manufacturing genius to the principles of the Ferguson System to produce the Ford-Ferguson Tractor on an automotive production line basis.

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The advantages of Flexible Farming with the Ferguson System apply to the raising of every kind of crop and to all types of soils; to the small farm as well as to the large.

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4-WHEEL DRIVE
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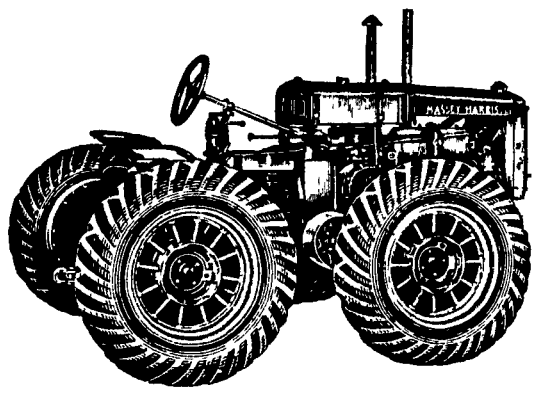


Designed for general purpose work under difficult traction conditions, the new Four Wheel Drive Tractor supplies positive traction 365 days in the year. It farms land too difficult for horses —too rough for ordinary tractors If your land is hilly, if your soil is muddy or sandy, this is the tractor for you. A favorite with orchard owners everywhere
Each of the four large drive wheels, kept in constant contact with the ground by an oscillating rear axle, takes its full share of the load Abundant traction per pound of weight—no skidding—no slippage—no side draft—no waste power The new 1936 model features improved effortless steering, efficient master gear oil seals, and a new and more efficient four-cylinder motor that burns all grades of fuel. Supplies power from drawbar, belt pulley, or power take-off Pulls implements now on your farm or easy-to-change implements described on the following page

FOUR WHEEL DRIVE SPECIFICATIONS

ENGINE—4" bore, 4½" stroke, four cylinder, 1200 r p m Vertical—valve-in-head—removable cylinder sleeves.

CRANKSHAFT — Double-balanced, heat treated, three bearings, total bearing length, 7 1/16" — 2" diameter.

OIL SYSTEM—Dual system forced feed by gear pump and dip pan splash—Oil filtering device
Transmission—Oil Bath
Rear Axle—Oil Bath
Chassis—Alemite high pressure grease system

IGNITION—High tension magneto with impulse starter

FUEL—Gasoline, kerosene or distillate

AIR CLEANER—Massey-Harris, oil flush type

GOVERNOR — Variable speed, centrifugal type, enclosed and oiled by the pressure system

COOLING SYSTEM — Tubular type radiator, Centrifugal type water pump—18" fan. Mounted on ball bearings and driven by a "V" belt

CLUTCH—Single Plate, Twin Disc, hand operated

BELT PULLEY—12" diameter—6½" crown face, balanced removable, 800 r p.m —2513 ft. per min. belt speed

TRANSMISSION—Massey-Harris special Gears drop forged steel—machine cut teeth, carburized and hardened, enclosed in dust proof case, running in oil

TRACTOR SPEEDS—Low 2.2 m r h., intermediate 3 2, high 4 m p h Reverse 2½ m p h

BEARINGS—Ball and roller throughout

BRAKES—Two, one for each front wheel mounted on differential

DRIVE WHEELS—Four, 38" dia., 8" face, open or closed wheels are optional

WHEEL BASE—52½"

TREAD—48", 56", 60", 66" and 76"

CLEARANCE—30" between axle and ground All widths of tread

TURNING RADIUS—Inside, without brakes, 6½ ft With brakes 3 ft

HITCH—Swinging drawbar

LUG EQUIPMENT — 2 bolt lugs furnished as standard equipment

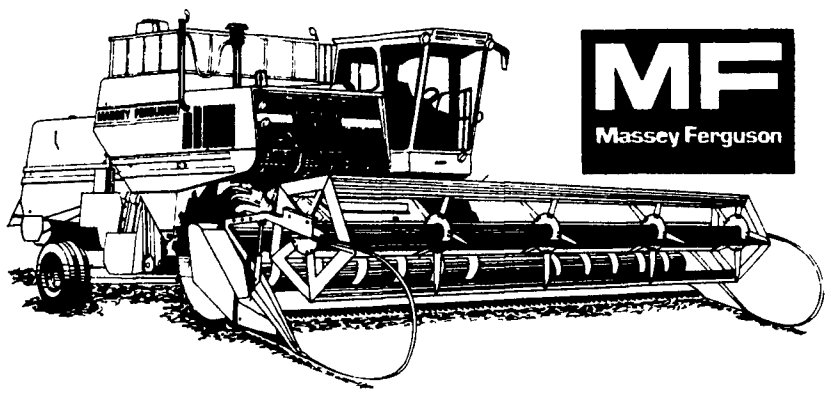
POWER TAKEOFF (Extra equipment) — 545 r p m Standard 1¾" spline connection, 1⅜" special

Our Heartfelt THANKS To All Our Friends And Customers Who Made 50 Years In Business Successful! We Are Looking Forward To Meeting You During Our Open House Sale Days To Help Us Celebrate!

M.M. WEAVER & SONS, INC.

50th ANNIVERSARY SALES DAYS

December 23, 27, 30 & 31, 1985; January 2 thru 17, 1986



MF Massey Ferguson

USED COMBINE SPECIAL
WAIVER TO JAN. 1, 1987
OR 9.9% APR MF FINANCING!

If you're ready to trade up to a pre-owned combine, we've got a combine and a very special offer for you. Come in now and get special MF financing. For cash/no-trade deals we can even offer some additional discounts. See us for full details before the year ends — and these offers end.

10% OFF ALL USED COMBINES, TRACTORS & EQUIPMENT...CASH & CARRY

USED MF COMBINES

1983 MF 850 Hydro ... $48,000	1976 MF 750 Hydro ... $12,500	1972 MF 300 Gas ... $6,500
1980 MF 760 V8 Hydro ... $35,000	1975 MF 750 Gear ... $19,000	1971 MF 510 Gas ... $8,500
1980 MF 760 V8 Hydro ... $25,000	1975 MF 760 V8 Hydro ... $15,000	1971 MF 510 Gear ... $8,000
1980 MF 550 Hydro ... $19,000	1975 MF 750 Hydro ... $12,500	1971 MF 410 Gas ... $6,500
1980 MF 540 Gear Drive ... $18,000	1974 MF 760 V8 Hydro ... $15,000	1972 MF 300 Gas ... $6,000
1979 MF 760 Hydro 6 Cyl. ... $29,000	1974 MF 760 Gear ... $9,500	1971 MF 300 Gas ... $6,000
1979 MF 760 V8 Hydro ... $29,000	1973 MF 750 Gear ... $12,500	1970 MF 300 Gas ... $6,500
1978 MF 760 V8 Hydro ... $22,000	1974 MF 760 Hydro ... $14,000	1970 MF 300 Gas ... $6,500
1978 MF 750 Hydro ... $22,000	1972 MF 760 Hydro ... $15,500	1968 MF 510 Hydro ... $9,500
1976 MF 760 V8 Hydro ... $18,000	1972 MF 510 Hydro ... $12,000	1968 MF 510 Gear ... $8,000
1976 MF 760 Hydro ... $19,000	1972 MF 510 Gear ... $9,000	1957 MH 82 Combine ... $600

Above Combines Include Grain Tables, Less Cornheads, 61 Cornheads In 2, 4, 6 and 8 Row Sizes.

TILLAGE

Glencoe 11' Field Cult.	$1,900
Glencoe 9 Tooth Soilsaver	$6,900
MF 820 19' Wing Disc.	$7,500
MF 820 19' Wing Disc.	$8,500
MF 233 Disc Harrow	$4,100
MF 301 Soil Conditioner	$6,750
Amco F15B 18' Wing Disc.	$12,800
MF 730 Offset Plow Harrow	$3,500
MF 345 3/16 Reset Plow	$2,800
MF 345 3/16 Reset Plow Demo.	$2,500
MF 43 2/16 Plow	$1,150
MF 43 2/16 Plow Demo	$1,050
MF 43 3/16 Trip Plow	$1,650
MF 880 6/16 Hyd. Reset.	$6,500
MF 880 4/16 Hyd. Reset.	$1,200
IH 550 4/14 Semi-Plow 2 @	$650
Oliver 46 3/16 Plow	$425
Semi-Plow 5/16	$700
Brady 10' Chisel Plow	$1,800
IH 45 3 Pt. Field Culti.	$975
Bush Hog Offset Disc Harrow.	$4,000
Kewanee 730 Wing Disc	$1,900
Dunham 12' Cultipacker.	$1,290
McConnell 12' Field Cultivator	$900
Hesston 3 Row Harvester Head.	$1,100
NH 818 SP 2 Row Forage Harvester	$1,900
Brillion 12' P.T. Field Cultivator.	$1,100
Oliver 565 4-16 Semi Plow	$900
John Deere F-350 5-16 Hyd. Reset Semi Plow	$2,200

USED TRACTORS

MH Pony w/Plow & Culti.	$1,400
MH Pony w/Plow & Culti	$1,600
Farmall Super A w/Plow & Cult.	$2,100
IH 574 Diesel Std.	$4,800
MF 175 D MP JB	$4,500
MF 175 D MP Std.	$4,300
MF 178 D	$4,800
(2) MF 1135 MP No Cab.	@ $9,000
MF 1155 MP & Cab.	$9,000
Ford County 1164 4 Wheel Drive	$6,800
MF 11 Industrial Shovel Loader	$9,500

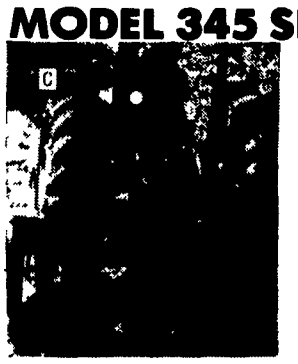
HAYING & MISC. EQUIPMENT

E.Z. 16' Forage Box & 12 T. Gear	$5,700
Mott 72" Flail Mower	$1,575
Tye No-Till 10' Drill.	$8,500
MF 33 17 Run Grain & Fert. Drill	$2,200
MF 925 9' Haybine	$2,800
Belt 16' Aluminum Elev. w/Motor	$750
Electrospray 110 Gal. Air Sprayer	$2,650
Walsh 3 Pt. Sprayer w/Boom	$850
Danuser Wood Splitter	$700
Danuser Post Driver.	$1,300
Trail Blazer 3 pt. Crane	$129
(2) Trail Blazer 3 pt. Ball Fork	$195
MF 226 8' Scraper Blade.	$535
York 7' 40BC Scraper Blade.	$375
York 7' 55BC Scraper Blade.	$590
MF 222 5' Scraper Blade.	$310
York RW 7' Landscape Rake	$1,275
Zimmerman 8 Ton Gear.	$680
MF 5 5th Wheel Steer Gear	$350
E.Z. 6 Ton Gear	$525
E.Z. 1074 10 Ton Gear	$1,150
Brady 12' Flail Chopper	$800
King Kutter 6' Rotary Cutter.	$500

DEMO & RENTAL TRACTORS

MF 4880 4-Wheel Drive	$49,000
MF 3545 Cab M-P.	$28,500
MF 670 Cab 4-Wheel	$20,500
MF 670 Cab	$15,700
MF 250 8 Speed.	$9,750
Northwestern 81 Skid Steer w/Bucket	$14,500

NEW EQUIPMENT SPECIAL



MODEL 345 SPRING RESET 3 BOTTOM 16" PLOW with SPRING CUSHION COULTERS and COVER BOARDS

List Price ... $3,532.00

SPECIAL PRICE $2500.00

SERVICE SPECIAL

MF MASTER CS CERTIFIED SERVICE

MF Certified Service

Farm Equipment Does Not Breakdown When You Are Not Using It...But That's The Best Time To Repair It!

10% DISCOUNT ON PARTS USED ON MAJOR OVERHAULS OVER $500 DURING THE MONTH OF JANUARY 1986

SCHEDULE YOURS NOW!

MF Massey Ferguson

M.M. WEAVER & SONS, INC.

Leola, PA 17540 Phone: (717) 656-2321

Located 4 miles West of New Holland on Rt 23 1½ miles Northeast of Leola on the No Groffdale Rd 1 mile on the right opposite Groffdale Mennonite Church

50th ANNIVERSARY SALES DAYS

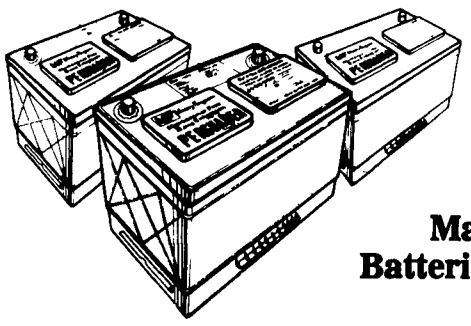
■ PARTS ■ NEW EQUIPMENT ■ GOOD USED EQUIPMENT

Dec. 23, 27, 30 & 31, 1985; Jan. 2 thru 17, 1986

Mon. thru Fri. 7 A.M. to 5 P.M.; Sat. 7 A.M. to 12 Noon

All Items Subject To Availability

WINTER SALE ITEMS



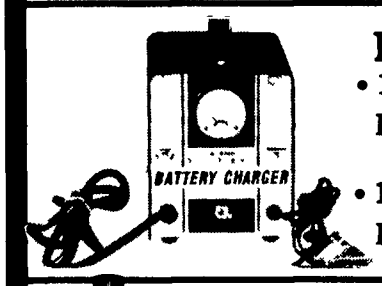
MF BATTERIES

Massey-Ferguson Batteries for all your needs

- Group 27, 284 - 795M1, Maintenance Free, 60 Month Guarantee. Pro-Rated, 595 Cold Crank AMPS
  List $80.40 — **25% SAVINGS = SALE $60.30**
- Group 30H, 832 - 709M3, 36 Month Guarantee - Pro-Rated, 580 Cold Crank AMPS
  List $86.75 — **25% SAVINGS = SALE $65.05**
- Group 24, 832 - 704M3, 48 Month Guarantee - Pro-Rated, 380 Cold Crank AMPS
  List $61.90 — **25% SAVINGS = SALE $46.40**

ALL OTHER BATTERIES IN STOCK

20% OFF LIST



BATTERY CHARGERS

- 19-513A91, 20 Amp
  List $116.50 — SALE **$87.05**
- 19-512A91, 6 AMP
  List $53.90 — SALE **$40.40**

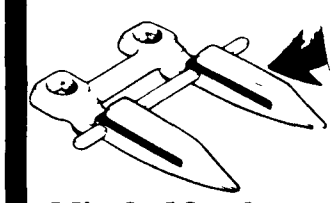
STARTING ETHER

- Starts stubborn engines in seconds
- Prolongs Battery Life
- Sprays to 65° below zero

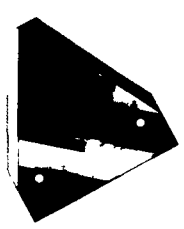
- HOT SHOT, 11 Fl. Oz. ..... SALE 99¢ Ea.
- Case Lot $11.88 **LESS 5%** **$11.29**

CUTTER BAR PARTS

It Takes Two Sharp Edges To Cut
Combine Guards!



BUY A GUARD - RECEIVE A SECTION FREE



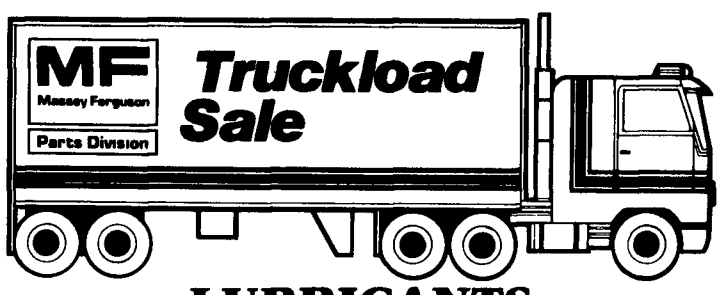
Mix Or Match
Any Combine Sections ..... 85¢ ea.

ALL PURPOSE JACK

(Same As Handyman)

19-988A91 7,000 Lb. Capacity

List $59.60 SALE **$40.50**



LUBRICANTS

Selling Hydraulic Fluid Right Off The Trailer!

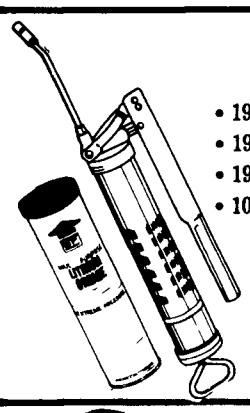
Offering The Lowest Prices....

UNIVERSAL HYDRAULIC FLUID
PERMATRAN III

Universal extreme pressure transmission & hydraulic fluid.

Stock One Oil For All Your Farm Equipment

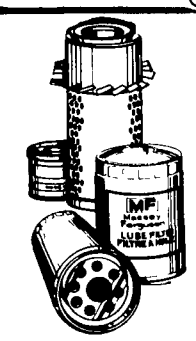
Lubricants	SALE	Cost Per Gal.
• Per III 841-743M1, 2½ Gal.	$ 12.35	$4.94
• Per III 841-744M1, 55 Gal. Drum	$221.40	$4.03
• Per III 841-784M1, 30 Gal. Drum	$132.88	$4.43
• SAE 15W40 841-738M1, Case 24 Qts.	$26.65	
• SAE 15W40 841-735M1, 55 Gal. Drum	$219.00	$3.98
• BRING YOUR OWN CONTAINER (Bulk)Per III		$4.75



GREASE AND GREASE GUNS

	List	SALE
• 1902-683M92 Lever Action	$9.15	$6.75
• 1904-778M91 Pistol Action	$15.12	$9.95
• 1902-684M91 Grease Hose	$3.20	$2.25
• 10 Pak 841-618M1 Lithium Grease	$9.90	$8.10

Approved by Bearing Companies
2% LESS CASE OF 50
$39.50



MF FILTERS

Lube, Fuel, Air, Hydraulic

Don't fall for look-a-likes - use Massey-Ferguson filters for better & longer engine life.

BUY ANY 6 FILTERS MIX OR MATCH, FOR 20% OFF REGULAR PRICE

GLENCOE CHISEL PLOW PARTS

	List	SALE
• P6167 L.H. Point HF	$13.53	$10.95
• P6168 R.H. Point HF	$13.53	$10.95
• P6118 20" Disc Blade Coulter	$19.50	$15.75
• SS4124RC One-Piece Soilsaver	$12.08	$10.75
• SS4124LC One-Piece Soilsaver	$12.08	$10.75

PARTS DEPT. VACATION P

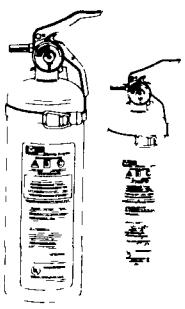
Radisson Orlando
7501 West Space Coast Parkway
Kissimmee, Florida

YOUR VACATION INLCUDE
- ★ FREE! Deluxe Acommoda... For 2 Children Under 1...
- ★ FREE! Basket of Fruit upo... rrival
- ★ FREE! Welcome Morning... fee!
- ★ FREE! $250 Worth of Disc... Coup... & Attractions!
- ★ FREE! EPCOT Centers' ... day Ti... day Passport.
- ★ A certificate That Makes Y... Trip T... or Friends.

★ Transp...tion N...
NO GIMMIC... ★ NO ...
JUST F... IN TH...

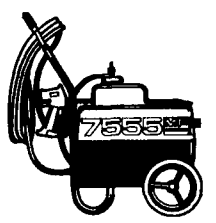
FIRE EXT...G

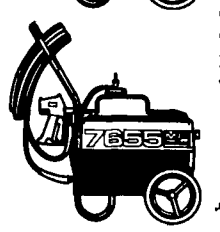
Don't be ...ght



Install relia... Ma... tinguishers ... your... pens, on tr...tors ... made of He...y du... corrosive pa...s, ins... with positiv... on-o... easy readin... water

- 20004A91, 2½ Lb. .....
- 20005A91, 5 Lb. .....
- 20006A91, 10 Lb. .....





PRE...SU...

Purchase yo... Mass... and save tim... and m... simple these... achin... connect a ga... en ho... in the electri... l cor... that's it!

- •7555 .....
- • 7655 ...
- • 8110 .....

...ubjec...

10% OFF ON ALL OTHER PARTS

Sold Over Counter From

Dec. 23 to Jan. 17, 1986

★ *Cash And Carry* ★

MF Massey Ferguson

M. M. WE...

LEOLA, PENNA. 17540

PHONE: 717-656-2321

SALES DAYS

■ PARTS ■ NEW EQUIPMENT ■ GOOD USED EQUIPMENT

Dec. 23, 27, 30 & 31, 1985; Jan. 2 thru 17, 1986

Mon. thru Fri. 7 A.M. to 5 P.M.; Sat. 7 A.M. to 12 Noon

All Items Subject To Availability

50th ANNIVERSARY

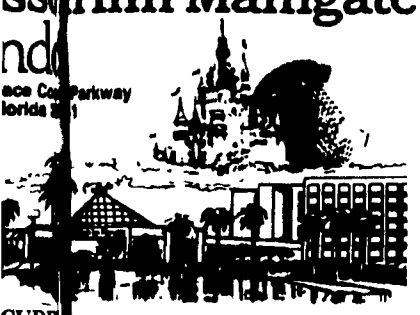
DEPT. SPECIAL ION PACKAGE

Value of $550

ny Customer Purchase totalling $1,000 or More Will Receive FREE Florida Vacation Package!

FOUR DAYS AND THREE NIGHTS FREE LODGING AT THE

ss Inn Maingate



CUDE
mmoda s For A Family of 4. (2 Adults and
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f Disc Coupons For Restaurants, Stores
s!
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t.
akes Y Trip Transferrable To Relatives
Transp tion Not Included
MMIC ★ NO LAND TOURS
UST F IN THE SUN!!!

XTINGUISHERS

t be ught without protection!

reli e Massey-Ferguson Fire Ex-
shers your home, the barn, animal
on tr tors and combines. They're
of He y duty carbon steel with non-
ive pa s, inside and out, and operate
positiv on-off squeeze grip; feature
eadin aterproof gauges.

	List	SALE
.....	$21.30	$17.60
.....	$28.75	$23.72
.....	$50.15	$41.42

Prevent A Fire

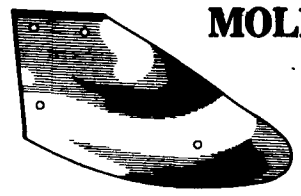
Buy A RESSURE WASHER

hase yo Massey-Ferguson Pressure Washer
ave tim and money. Stop in today and see how
le thes achines are to operate. All you do is
ect a ga en hose to the pressure washer, plug
e electri l cord, add cleaning chemicals and
s it!

	List	SALE
.....	$469.00	$367.20
5	$570.00	$447.60
0.....	$2,077.00	$1,579.00

ubject To Availability

TILLAGE PARTS SALE



MOLDBOARD PLOW PARTS

Direct Shipment From Manufacturer To Us Allows For These LOW PRICES

There Is A Difference: 3 Layers Of Steel For:
• LONGER LIFE • SHOCK RESISTANT • LESS CRACKING

16 INCH 4 BOLT PLOW SHARES

	MF Reg. Price	D.S. PRICE
• 475-167 M1 Reg. Long	$11.25	$8.77
• 475-715M1 Heavy Duty Short	$17.65	$9.79
• 475-716M1 Heavy Duty Long	$20.35	$10.32

18 INCH 4 BOLT PLOW SHARES

• 475-823M1 Reg. Long	$14.50	$9.70

Fits All MF Plows

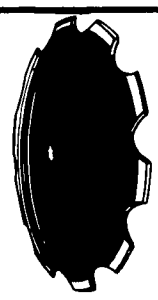
• 661-869 M91 Trashboard	$33.05	$11.62
• 660-020 M91 Shin	$17.97	$7.32

MOLDBOARDS

• 660-022 M91 14 Inch	$100.50	$50.66
• 660-206 M91 16 Inch	$104.50	$50.91

All Plow Shares Not Under Direct Ship Program Are 20% Less.

Plus The Best Warranty In The Industry!



Disc Blades

- High concavity for greater draft and more soil action
- Plain and notched styles for various field conditions
- Center hole sizes available to fit non Massey-Ferguson machines

Number	Disc.	Dia.	Ga.	Shaft Sizes	List	SALE
• 155-1904 671M1	Plain	20"	6 ga.	1 1/8 Sq., 1¼ Sq.	$18.56	$15.95
• 100-1904 669M1	Plain	20"	7 ga.	1 1/8 Sq., 1¼ Sq.	$16.53	$14.25
• 150-1904 710M1	Plain	22"	6 ga.	1¼ Sq., 1½ Rd.	$22.82	$19.55
• 125-1904 712M1	Plain	22"	.256	1¼ Sq., 1½ Rd.	$30.00	$25.75
• 50-1904 728M1	Plain	22"	6 ga.	1½ Sq., 1¾ Rd.	$22.82	$19.55
• 45-1904 677M1	Notched	22"	6 ga.	1 1/8 Sq., 1¼ Rd.	$25.55	$21.95
• 25-1904 739M1	Notched	28"	.....	1½ Sq., 1¼ Rd.	$66.90	$50.20

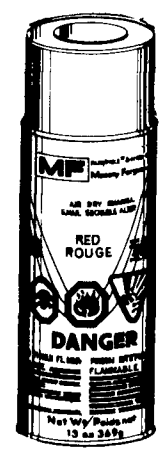
WEATHERED TWISTED CHISEL POINTS

- Heat treated, tumbled & varnished
- ½" thick for longer wear
- Fits 2¼" centers for 7/16" plow bolts

DF4995R	3x½x22 R.H.	$6.75
DF5995L	3x½x22 L.H.	$6.75

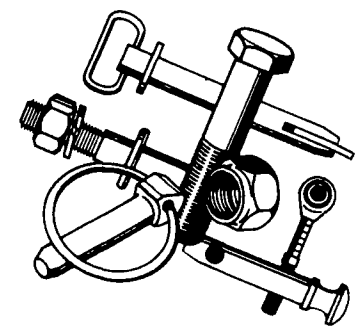
Massey Ferguson PAINT

Increase The Resale Value Of Your Machine With Massey Ferguson Paint!



HARDWARE AND HITCH PINS

Grade 5 Hardware
$1.50 Lb.



HITCH PINS w/RETAINER CHAIN

Number	Length	Dia.	List	SALE
• 30-149E91	6 in.	5/8 in.	$4.27	$3.68
• 30-151E91	6¼"	¾ in.	$4.73	$3.99
• 30-152E91	6¼"	7/8 in.	$6.27	$5.25

HITCH PINS w/PRESTO PIN

• 30-280E1	6¼"	5/8"	$2.67	$2.30
• 30-281E1	6¼"	¾"	$3.13	$2.75
• 30-282E1	6¼"	7/8"	$4.20	$3.50

LINCH PINS

- 6 For **$1.00** ..... Start w/6 Double Amount For **$2.00**
- 13 For **$2.00** Double Amount For **$3.00**
- 26 For **$3.00** ½ Times More For **$4.00**
- 39 For **$4.00** Or 10¢ Ea. For **$5.00**
- 50 For **$5.00**

TOP LINKS
AS LOW AS **$10.75**

NEW FROM MASSEY FERGUSON

POWERPART CHEMICALS

A Wide Variety Of Universal Products For Farm, Home, Industrial, Automotive, And Recreational Use.

SPECIAL OFFER
Penetrating Oil, 1904 866M1

BUY TWO, GET ONE FREE
Frees All Rusted, Frozen Or Corroded Lugs And Bolts

VER & SONS, INC.

7540
2321

Located: 4 miles west of New Holland on Route 23, one and one-half miles northeast of Leola, on the North Groffdale Road, one mile on the right, opposite Groffdale Mennonite Church.

20% OFF Regular Price

15% OFF REGULAR PRICE

★ Bring Your Own Containers - Get Bulk Price

"BUY QUALITY"

QUAKER STATE MOTOR OIL

50th ANNIVERSARY

SALE

Dec. 23, 27, 30 & 31, 1985
Jan. 2 thru 17, 1986

COMBINE HEADQUARTERS

RED HOT DEALS ON WHEELS

BIG FACTORY DISCOUNTS

Get red hot deals on new Massey-Ferguson 3500 Series tractors. They're proven performers for 90 to 125 PTO horsepower jobs — 2 and 4 wheel drive. And now, you can take advantage of big factory discounts, plus special low-rate MF financing. C'mon in, now. Offers good for limited time only.

PLUS 9.9% APR MF FINANCING

Weaverline

COB CORN GRATE

for M-F 750/850, 760/860 COMBINES

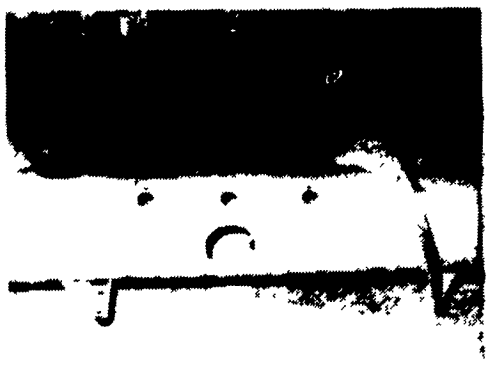
REPLACE THE REGULAR CORN SIEVES IN YOUR COMBINE WITH A WEAVERLINE COB CORN GRATE

- ★ Save More Cobs
- ★ Keep Out Corn Leaves And Husks
- ★ Extremely High Capacity
- ★ Simple, Rugged Design
- ★ Works Very Well On Hillsides

SCHMIDT "HEAVY DUTY REBUILT TABLE AUGER"

Before Repair

After Repair



Damaged Or Broken Combine Table Augers Rebuilt Same As New!

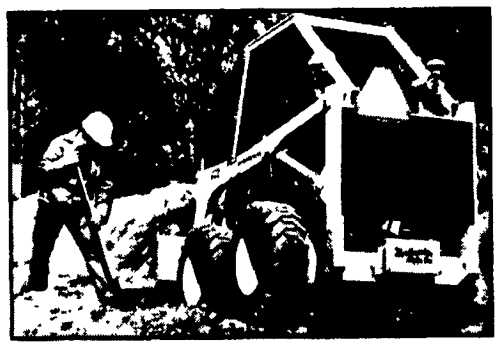
No need to purchase a new auger when you can buy one that's rebuilt! Or have your auger repaired for less than one half of the new auger price!

Rebuilt augers are guaranteed to run true! "They are jig repaired."

We Can Rebuild All Makes Of Augers

Call Now For Appointment And Price Quotation To Have Your Auger Repaired

TOUGH, STABLE AND AFFORDABLE



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SKID STEER LOADER FEATURES:

- A unique oscillating axle that smooths movement over rough terrain.
- 4-wheel drive that keeps you going.
- Dependable hydrostatic drive.
- A powerful 4-cyl. gas or diesel engine.
- A 40" wheel base for improved stability

List....$19,500

SALE **$14,500**

MF Massey Ferguson

M.M. WEAVER & SONS, INC.

Leola, PA 17540
(717) 656-2321

Located: 4 miles West of New Holland on Route 23, 1½ miles Northeast of Leola on the North Groffdale Road, 1 mile on the right, opposite Groffdale Mennonite Church.

TAX TIP

Purchase Your New Equipment Now And Take Advantage Of Big Savings

1 FARM EQUIPMENT

TRACTORS
Ford 555 LBH, Cab
Ford 9000 Cab & Duals
Ford 8600 w/Canapy
Ford 8000 w/Cab
Ford 4500 w/Loader
Ford 4400 w/Loader
Ford 3400 w/loader
Ford 6700 w/canopy
Ford 4200 10SP
Ford 335 w/Loader
Ford 3600 D.
Ford 3910 w/200 hrs.
Ford 3000 8 speed
Ford 2600 w/Loader
Ford 2110 LCG
Ford 2000 G, 4 SP
Ford 1000, Turf Tires
Ford 901 10 speed
Ford 801 LBH
Ford 801, Live PTO
Ford 801 w/Loader
Ford 800 w/Post Driver
Ford 601 w/Blades
Ford 8N w/Loader
Mitsubishi 210, PS
Satoh w/Mower
Satoh Elk
AC D15 3 pt.
AC CA w/equip.
IH 666 D., WFE
IH 504, 3 pt.
IH SH w/loader
IH Cub w/Mower
Case 580 Loader & Hoe
Case 830
JD 3020 D., NFE
JD 3010 D., NFE
JD 2840 w/Cab
JD 2240 w/Canopy
JD 60 PS, LPTO
MF 175 D 8 speed
MF 150 G, PS
MF 135 w/loader
Oliver S 55 3 pt.
JD 3300 Combine

KELLER'S FARM MACHINERY, INC.
116 Richlandtown Pike
Quakertown, PA 18951
215-536-4046

DEUTZ

USED TRACTORS & EQUIPT IN STOCK
Deutz 7007C 65 h p 12F/4R synchromesh trans , dual spd PTO, cab w/air & heat
Deutz D 6006, new tires, good condition
Ford Super Major 5000 Diesel, Belt Pulley, 47 HP

NEW TRACTORS & EQUIPT IN STOCK
DX7 10 145 h p cab powermatic tran smission
DX6 50 120 h p cab powermatic tran smission
DX6 50A 120 h p cab powermatic tran smission 4WD
D3607 Deutz 33 h p w/4 post safety frame
DX 6 30 Deutz 111 h p w 4 post safety frame
Deutz Fahr KH 500 17 rotary hay maker/tedder
Deutz Fahr SM40CR disc mower conditioner
Deutz Fahr KS85 rotary rake
Deutz DX3 30 51 h p
Deutz DX 3 70A 65 h p All wheel drive
DT 5830 Landini Tractor 42 pto h p 4 WD
DT 8830 Landini Tractor 68 pto h p 4 WD
Custom built diesel Gen Sets made to order
New & Used Deutz diesel engines at special prices Call for details
New Deutz F2L 912 diesel engines 20 32 H P electric start

Stauffer Diesel Inc.
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Pleasant Valley Rd
Ephrata, PA
PHONE 717-738-2500

TRACTORS
TW 30 Cab Duals, 2300 Hrs.
Ford 7700, 2WD w/cab
TW 15 w/cab
Ford 7700, 4WD, Less Cab
Ford 5610 Cab
Ford 356 Less Cab
Ford 4610
Int. 656
JD 4400 Combine, 13' Grain Head, 36" Row C.H.
JD 4020 Cab
Ford 5000 SOS Dsl.
Ford 4500 TLB
Ford 4000
Ford 1100 2WD
Ford 555 TLB, Cab
8 & 9 N's
Int. 350 w/Snow Plow
AC CA

EQUIPMENT
NH 489 Haybine
NH 315 Baler
JD 24T Baler w/Kicker
NH 717 Harvester
Ford 241 10' Disc Harrow
Ford 11 Tooth Soil Saver
Lawn & Garden Tractors w/Mowers & Snow Blowers.

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RD3
Tamaqua, PA 18252
Phone: 717-386-5945

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NEW FORD TRACTORS & EQUIPMENT
TW5 105 PT HP
7710 86 PTO HP
4610 FWD 52 PTO HP
3910 42 PTO HP
1910 28.5 PTO HP
1210 16 gross HP

Farmhand Hawk Bilt 217 Manure Spreader

Ford 240 Transport Disc 10'3" Cut
Specials on Ford 930 Rear Mount Mowers And AMCO 17 Series Disks Call For Prices

Myers Forage Boxes

300 & 500 Gal. Century Spreaders Available For Immediate Delivery

USED EQUIPMENT

710 Combine For NI Uni System

Hawk Bilt Spreader 2155 Completely Re-built

Ford 5000 Light Use Good Condition

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TYE 80" No Till Drill - Rental Available

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1 FARM EQUIPMENT

USED EQUIPMENT

TRACTORS
Oliver 1755 Diesel w/Cab
Oliver 550
Massey Ferguson 65

SKID LOADER
NH L35

FORAGE
NH 770 Harv. w/2 Heads
NH 880 Harv. w/2 Heads

HAY TOOLS
NH 315 Baler w/Thrower
NH 469 Haybine
NH 479 Haybine
JD 1209 Haybine
Owatanna 217 Haybine 9 Ft.

SPREADERS
NI 214 Spreader, 2 Beater w/Hyd. Endgate

PLANTING & TILLAGE
Brillion 14' Transport Harrow
IHC 400 4-Row, No Til
Case 7' Soil Controller
Oliver Superior No. 26 Grain Drill

PICKERS
NI 323 Picker
NI 324, 12 Roll Bed

SPECIALS
EZ Flo 220W Gravity Box **$575**
Kasten 560 Blower w/56" Fan **$1,895**

NORMAN D. CLARK & SON
Honey Grove, PA 17035
717-734-3682
Located 14 Miles South of Port Royal on Rt. 75

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case

AC 190 XT
Used Case 58C TLB
Case 2990, excellent
1983 Case 1190
1983 Case 2090
(2) JD LA's, Antique Specials
Case 1390 Tractor, 2 yrs. old, low hrs.
Case 1212, Good Shape
Case 1983, 2590 w/390 hrs. excellent
Int. 806 Dsl., WFE
Int. 6388, excellent condition
Int. 856 Dsl., nice shape
705 Power Unit Diesel, Uni-System
Hesston 4600 Hydraulic Tension Conv. Baler - Will take best offer, only 1 yr. old
OMC 540 Stacker
OMC 540 N Mover
10' Pittsburgh Disc, like new
AMCO 10' 1982 New Disc
RP 10' Disc, A1 Shape (New)
Used NI #324 2 Row Wide gathering unit, good shape.
Plus NI 702 Uni-Tractors, mow/ditioners, NI 323 corn pickers & spreaders in stock at Good Prices.

C. & P. FULTZ EQUIPMENT
RD 1 Spring Mills, PA
(814) 422-8807,
Ask for Paul

USED FARM & LAWN EQUIPMENT
JD 2040 Tractor, 700 hrs.
JD 24T Baler w/Thrower
JD 709 3 Pt. Rotary Cutter, 7'
JD 709 Pull Type Rotary Cutter, 7'
JD 10' Chisel Plow, 3 Pt. Hitch
Two JD F355H 7 btm. Power Reset Plows, 1 Good & 1 For Parts
JD 400 L&G Tractor w/60" Mower
Loader For JD 317 Tractor
JD 423 Front Blade For 850, 950 & 1050 Tractors
Meyers 90" Front Blade to Fit JD Utility Tractor

Special Close Out Prices On The Following New Equipment
Bush Hog 3 pt. Rotary Cutter, 5' & 6'
Shaver HD8 3 pt. post driver
Good Selection Of Used Lawn And Garden Tractors In Stock

JANUARY SPECIALS
Woods 0121, 10' Offset Rotary Mower **$3,295**
JD 1450 4WD Tractor **Call For Price**
JD 650 4WD Tractor **$5,995**

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Call Us For Your Needs
NEUHAUS'ES, INC.
32 Main St., Glen Rock, Pa. 17327
800-245-7618 717-235-6831

*** USED EQUIPMENT ***

Farm Tractors
IH 4568 4WD
IH 460 w/3 btm. plow, fast hitch
IH 544 w/loader, 3 pt. hitch, PTO
JD 301A w/sickle bar mower, 3 pt., PTO

Construction Equipment

Backhoes
IH 3400 full cab, hydro, needs trans. work
IH 3500
IH 260, 4 to choose from, 1978-1981
JD 300B w/factory ROPS
JD 410 w/extend-a-hoe
MF 50C
Case 580

Crawlers
JD 350B w/forks
IH TD15B, power shift w/angle blade
IH 125E w/4 in 1 Bucket

Skid Steer Loaders
(2) Prime Movers L1200, late '84's, less than 200 hrs. each
JD 14
Hydro Mac, propane powered

Inventory Changing Daily
Call For Current Prices
Ask For Rick Kammann
Day 301-335-4189
Evenings 301-335-5920

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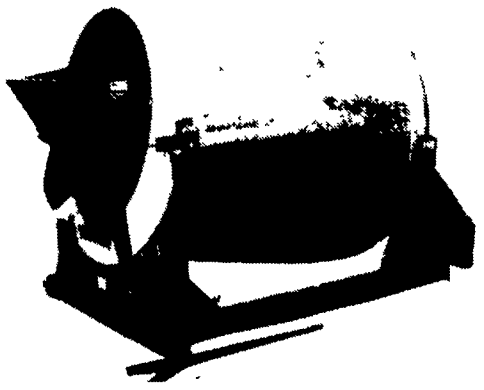

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FARMASTER

ZIMMERMAN'S FARM SERVICE Bethel, Pa. 717-933-4114

USED BELTING MATERIAL RUBBER MATS FOR
Comfort Stalls, Free Stalls
Horse Stalls, Horse and Cattle Trailers,
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JD 2940 Tractor
Sauder Snowplow
6' 3 pt. Hitch Scraper
JD 54 3 PTH Rotary Mower
2 Wheel Trailer
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2,000 gal. Liquid Tank Spreader
1 Row & 3 Row Corn Head

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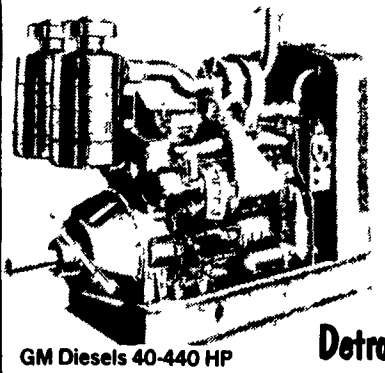
WE SHIP UPS, TRUCK, BUS
FOR THOSE HARD-TO-FIND & DISCONTINUED ITEMS
Call the Parts Specialists: 219-342-2955



GM Diesels 40-440 HP

Tune-Up And Rebuilding
New & Used Parts For Detroit Diesels

- 471N - 120 HP Power Unit
- 671N - 175 HP Power Unit
- 6V71N - 238 HP Take Out
- 353N - 70 HP Power Unit
- 1160 - 225 HP Cat

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RD 3, Pleasant Valley Rd.
Ephrata, PA 17522 (717) 733-3890

SMITH'S IMPLEMENTS, INC.
Rt. 16 West of Mercersburg, PA
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USED EQUIPMENT
Case 1570 Tractor w/Cab, PS, Inexpensive Horsepower, Drastically Reduced
JD 3960 Harvester w/Controls
Papeac 180 Harvester w/2R C.H., 6' Pickup, 2R Snapper Head
JD 2RW Snapper Head w/Adapter Plate
JD 2RN Snapper Head w/Adapter Plate
Gehl CB600 Harvester w/2R Head & PU, $2,600
JD 7' Pickups for Harvesters
NI Tandem Axle Manure Spreader
MF 410 Combine w/4RW C.H.
JD 35 Harvester for parts
Plus many specials on used planters and other equipment

EQUIPMENT FOR SALE

TRACTORS: 55 Oliver; Kubota w/loader & mower; Cub w/blade & mower; Farmall C; 200 Farmall; 400 Farmall; VAC Case & more.
PLOWS: 3ot.; 1-2-3-4 btm; 2 & 3 btm. roll over; 3 & 5 btm: auto reset; Disc harrows 3 pt. & wheel type; Chisel plows 3 pt. & wheel type; 2 & 3 pt. blades; Front & rear mounted blades; Cultipackers; Rakes; Mowers; Loaders; Cultivators; Transplanters; Corn shellers; Spreaders; Hammer mills & Cultimulchers.

Lots of equipment not listed. Call evenings:

C.E. KEENER
1531 Manheim Pike, Lancaster
717-898-7446

Badger | JOHN DEERE | HESSTON FARM EQUIPMENT

USED EQUIPMENT

TRACTORS	TILLAGE EQUIPMENT
MF 135 w/loader	10' Miller Disk
MF 65 Gas	White 18' Wing Disk
MM 445 w/loader	Oliver 10' Disk
JD 2550 w/cab	JD 8' 3 pt. "Y" Disk
JD 2640 w/15 5x38	Pittsburg 9' Disk
JD 2940	JD 325 3 btm plow
AC 190XT Series III	JD 350 4 btm plow
JD 5400 SP Harvesters	JD 125 4 btm plow
IH 154 Lo-Boy w/Mower	JD 1-btm plow to fit M
Ford NAA Jubilee	JD 345 4 btm plow
Farmall M	**MISC. EQUIPMENT**
PLANTING EQUIPMENT	Chromalloy Tank Spreader
JD 7000 4 Row Wide	JD 205 3-pt. Rot. Mower
JD 449A Planter	Ford 5' 3 pt. Rotary
JD FB-A 17-7 Grain Drill	16' Harv Handler Elev

Farming Frontier
Fri., January 24, 1986

OTHER NEW EQUIPMENT SPECIALS

Badger 7' Mower Cond. $6200.00
Henke 1000 RPM Blower $2700.00
Badger 540 Blower $2650.00
Badger 1000 RPM Blower $2550.00
Glencoe 15½' Field Cult. $2875.00
Glencoe 12½' Field Cult. $2525.00
Koykor 35' PTO Auger. $1350.00

PIKEVILLE EQUIPMENT, INC.
R.D. 2, Oley, PA
Phone: 215-987-6277
Berks County's Full Line John Deere Dealer-
Serving The Oley Valley 50 Years, 1936-1986

SUPER SPECIAL OF THE WEEK

AC 6080
2 WD
w/ROPS

USED EQUIPMENT

AC 7000 w/Cab
Model 800 Silamix w/Dig. Scales
XT 190D AC Tractor, Real Nice
Used NI 737 Husking Bed attach.
NI 702 Uni Harvester With 717 Combine Head
Vicon RC 330 Rake Tedder - Like New
NH Model 90 Bale Handler
AC 4 bottom SC plow
JD 6 Bottom Reset Plow
AC 333 4 Row Corn Planter
Papec Harvester w/Both Heads
Cases 1835 Skid Loader
LKS Combine w/Grain And 630 Corn Head

FALL SALE
KUHN MOWERS RAKES AND TEDDERS

SPECIAL SAVINGS ON ARTS-WAY SILAMIX & MILL MIXERS

COMPARE OUR PRICES ON WOODS MOWERS

B. EQUIP. INC.
8422 Wayne Highway
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DEUTZ ALLIS | DEUTZ ALLIS

JD 4230
JD 2010
Case 730
Oliver 1650
AC 200
JD 4040 w/Cab
AC WD45
Case 1210 4 WD w/Loader
IH 656

USED COMBINES

AC M2 4 Row Head 15' Platform
AC F2
MF 300 13 ft. Platform & Cab
JD 6620 Side Hill 6 Row Corn Head, 15' Platform

SPECIAL SAVINGS ON ALL NEW & USED FARM EQUIPMENT - PLUS FREE FINANCE UNTIL USE SEASON

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Leaman Tractor Parts

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Quality Used Parts
We buy and sell used parts and parts tractors. We have a good selection of quality used parts at competitive prices. Please have part no. when calling, if possible.

Just In For Parts
544 IH Utility Hydro. Tractor, 1800 Hrs. AC complete 4 wheel attachment to fit 6080, excellent condition.

USED TRACTORS

Deutz 130-06, 1976 model, 3200 hours, tires 80% tread with cab and [SOLD] real good condition, $8,200
Farmall 856 gas, narrow front, good condition, $3,950
IH 756 diesel, wide front end, 3 pt. hitch, good clean tractor
IH 1066 cab, solid tractor with rebuilt TA, dual hydraulics, dual PTO, $8,200
Farmall 656 diesel, 3 pt. hitch, good TA

Delivery Available Anywhere

USED COMBINES

Waiver of Interest till September 1, 1986

- '81 JD 8820 4 wheel drive, factory duals, 1270 hrs., with 220 flex cutter. Excellent Shape. $62,500
- '71 JD 7700 w/15' cutter bar
- '75 JD 7700 - Rotary Screen, 16' Platform
- '77 MF 510 w/16' cutter bar & 4 row corn head $7,500

CORN HEADS
Good Selection of John Deere
443-444-643-644-843
Cornheads

USED TRACTORS

Waiver of Interest Till April 1, 1986

- '81 DX 120 Deutz w/18.4x38 Tires
- '79 IH 184 Low Boy w/60" Woods Mower
- '79 Steiger ST 210 Series 3, 4WD with dual 18.4x34 tires, 3 pt. hitch, 1336 hrs. Reduced to $19,500.
- '80 JD 2440 w/145 Loader

CORN PLANTERS

- AC 770 6 row air planter, liq. fert., monitor, insect.
- Int. 8 Row 30, 3 pt. Cyclone Planter

MISCELLANEOUS EQUIP.

- JD 115 disk harrow, 10' 2" w/ Midwest harrow, like new, done 20 ac.
- JD 210 disc harrow 14'3", Midwest Buster Bar attach.
- Graber 26' flex pull-type chisel plow
- 1 Brillion 4 row cultivator w/heavy spring shanks
- JD 38 Harvester w/2 RW Head
- Tyé drill 24 tine, double disc opener, 3 pt. hitch

W.N. COOPER & SON, INC.
Morgnec Rd Rt 291
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301-778-3464

RISSLER FORAGE MIXERS

5 Sizes Up To 230 Cu. Ft. Capacity

- Fast 2-3 Minute Mix Time
- Low Power Requirements
- Beam Or Dial Scales

Buy Direct & Save

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GOING OUT OF BUSINESS SALE
ALL ITEMS MUST GO

FARM IMPLEMENTS
AW Disc
JD 950 Roller Harrow
JD 1450 - 6 Bottom Plow
Bush Hog Disc 18'
4' PTO Mott Mower
JD 213 Grain Platform

USED COMBINES
JD 4400 Diesel

AUTOMOBILES
1978 Coupe Deville

USED TRACTORS
JD 4440 JD 4040

LAWN TRACTORS
JD 110 Tractor

NEW & SHOP WORN
18' Bale King Body
Dynco 8' Snow Plow
K & W Front Blade 6'
G & B Loader
3 Pt. Lgt. Log Splitter
21' CLW Bale Body

ANTIQUE PARTS & PARTS CATALOGS ALSO AVAILABLE

---

case IH PARTS VALUE OF THE MONTH

Pre-Season **Service Savings**

BE READY TO GO!

SAVE 10% on parts when work is done in our Service Center
plus FREE HAULING

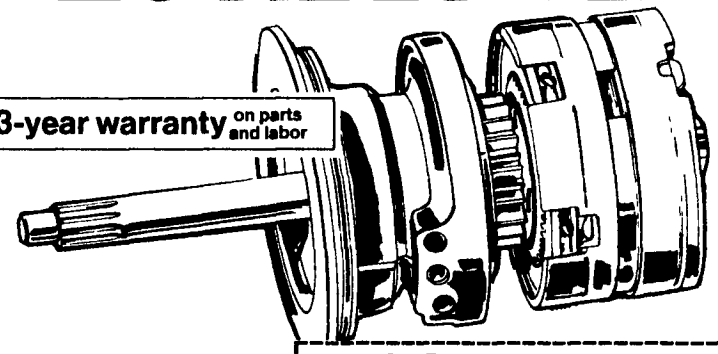
Get Your Tractor In Top Shape For The Busy Season And Save At Off-Season Prices. Don't Wait Until The Busy Season Hits, Get Your Case, IH, Or Case International Tractor And Equipment Ready To Roll Now At Special Pre-Season Service Savings. (Minimum Of $500.00 In Parts At Selling Price, Offer Expires February 28, 1986)

case IH

PARTS VALUE OF THE MONTH.

Restore original TA performance and get a

$20 REBATE



3-year warranty on parts and labor

During our Parts Value of the Month special, J I Case is offering a $20 rebate when you buy a Remanufactured Case International torque amplifier

And that's on top of the 1/3 off you get when you buy any Remanufactured Case International part That's savings on top of savings!

Case International TAs aren't just repaired, they're completely remanufactured at the factory New parts are installed wherever they're needed And finally the TA is rigorously tested to assure you long lasting performance

So perk up your tractor's efficiency and load capacity with a remanufactured torque amplifier And pick up a $20 bill by filling out the coupon

$20 rebate on a Remanufactured Case International TA

Come in today with this coupon

Customer Name _____ Address _____

Dealer Name _____ Dealer Town _____

Account Code _____ Customer Invoice No _____

Offer valid until March 31 1986 only
Available at participating dealerships only

Remanufactured Case International Parts

case IH

ERB & HENRY EQUIP., INC.
New Berlinville, PA 19545
Ph: (215) 367-2169
Daily 7-5:30; Sat. 7-3

TRACTORS & EQUIPMENT

MF 35 Tractor
MF 40 Diesel Tractor w/Loader
AC D17 Dsl. Tractor
MF 50C Tractor w/Loader & Cab
MF 760 Combine w/Atchs.

NEW M.F. EQUIPMENT

MF 240 Tractor
MF 240 Tractor
MF 283 Tractor
MF 1030 Tractor 4 WD
MF 1020 Tractor w/Turf Tires
MF 1010 Tractor w/218 Mower
MF 1010 Tractor
MF 236 Loader
MF #43 2B Plow
MF 427 No-Till Drill
MF 320 Disc Harrows
MF 226 Scraper Blade
MF 227 Scraper Blade
MF 22 Bale Thrower
MF 218 3 pt. Rotary Cutter
MF 222 Scraper Blades
MF 1018 Mower

S.G. LEWIS & SON, INC.

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B&R FARM EQUIPMENT

Notice:
We Are Now An Ag Bag Dealer

NEW EQUIPMENT

AC 2500 Disc 10 ft. 10 in.
AC 8010 PS w/20.8x38 Radials
(2) AC 6080 2 WD
AC F3 Combine w/Floating Cutting Bar
AC 1200 S-Tine 16½ Ft. Cultivator

USED TRACTORS

AC 7000 w/New Rubber
AC 5045 w/Loader
Int'l 1086 w/Cab & Duals

USED HAY & FORAGE EQUIPMENT

2 NH 717 Forage Harvesters
JD 38 Forage Harvester w/Corn Heads
NH 78 Baler w/ Thrower
(2) NH 469 Haybine
NH 488 Haybine
Glenco 13 ft. Field Cultivator
NH 268 Baler w/Thrower
NH 269 Baler w/Thrower
IH 80 Pull Type Combine
IH Conser-Til
Hesston 1091 Mower Conditioner
IH 10 Shank Chisel Plow

MISCELLANEOUS

AC 460 Loader w/2 Buckets (Will fit AC 6080 Tractor)

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Parts & Service
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Irrigation, Repairs & Gaskets for: RACE, WOSCO, WADE, IRRECO, CHAMPION, SHUR-RANE, McDOWELL, RAINBOW, A-M AND OTHERS

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★ Extra Special Cash Allowance on Most Used Equip. In Stock!

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IH 584D, Row Crop, New Rubber, Nice Cond. – $8,950
IH Farmall "C"
Farmall Super MTA
IH 806 Diesel, WF, 3 Pt., Turbo – $6,250
Farmall Super C w/Fast Hitch & Cult.
Farmall 400
Int. F12 w/cult.
IH 450 Gas, wide Front – $1,750
MF 65 Diesel Utility
MF 3 SOLD t. Hitch
IH 240 w/Fast Hitch

TILLAGE:
Athens 11 Ft. Chisel Plow, 3 pt. Hitch, with Ga. Wheels
Brillion 10' Packer Mulcher – $1,150
Brillion Vibra Tine Trailing Field Cult., 16 Ft., Like New
Bush Hog 10' 3 pt Hitch Chisel Plow, Like New!
Pittsburg 11'6" Disk
JD KBA Disk, 9' – $750
JD KBA 12' Disk
JD 1710A 12' Trailing Mulch-Tiller, Like New – $3,950
IH 37, 35 In Various Sizes
IH 540 4-Bottom Semi Mtd. Plow
IH 645 Vibra Chisel, 13½', Trailing
Int. 360 20 ft. Trailing Field Harrow
IH 315 12'4 Packer Mulcher
Chattanooga 11' Packer w/Transport
1-Bot. Trailing Plow
Vicon 10' Power Harrow – Was $2,500 – Now $1,500

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IH 315 Hydro & Plat.
IH 315 Gear & Plat.
IH 403 Gear, 4R Wide Hd. & 12 Ft. Plat.
IH 227 Cornhead

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IH 149 w/42" Mower
IH 1250 w/Mower, New Engine
IH 1282 w/42" Mower
Cub Cadet 108 w/Mower
Cub Cadet 106
Cub Cadet 105 w/mower
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Toro Model 58 Professional Reel Mower – $375
JD 210 w/Mower, Nice Shape
AC Big 10 w/Mower
Ford 165 w/Mower-Real Nice
Gravely Model 424, 10 Hp, w/Mower
Mott 72" Mower

HAY & FORAGE:
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IH No. 51 Forage Wagon
NH 38 Flail Chopper
NH No. 26 Blower
(2) NH No. 27 Blowers (Whirl-a-Feed)
Gehl FBB 88 Blower
Gehl 99 Hi-Throw Blower, nice!
550 IH Chopper (Parts)
1014 Hesston Mower Cond.
NH 256 Rake w/Dolly Wheels
NH 69 Baler w/o Thrower
IH 420 Baler w/o Thrower
IH 430 Baler w/Thrower-$1,500!
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IH 990 Mower Cond., 9 Ft.
5026 Elec. Wheel, 8 ton Gears
IH Direct Cut Head For 15 or 16 Chopper
NI Stalk Shredder, 12'
Woods Model 214 14' Folding Mower—needs work
Woods Model 84 3 pt. Hitch Mower, Like New!
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JD 15x7 Drill, DD, Comb.
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IH 710 3-btm. auto. trip
IH 4 btm. semi-mtd. plow
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NH S68 Baler
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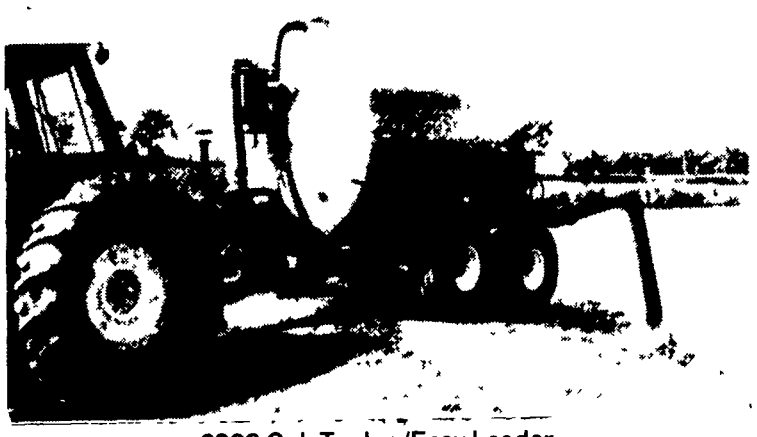

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NH 268 w/Thrower
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Papec 180
Fox 3000
NH 880
Fox 2000
IH 830
IH 15

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IH 401-Sp tooth
IH 47 disk-13ft
JD WRA disk-13'6"
IH 9A-9ft
IH 350 disk-10ft
IH 475 disk-12ft
JD KBA disk-8ft
IH 37 disk-8ft
IH 470 disk-8ft
IH 470 disk-12ft
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730, 4RW
768, 3RWN
735, 3RN
725, 3RN
734, 3RN
IH 1440 Combine
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IH 843, 4RN
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702 Diesel

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Oliver-13x7
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IH #10-16x7 DDO
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Gehl 108-9ft
IH 1190-9ft
OMC 229-9ft
NH 489-9ft
IH 990
NI 272
Gehl 440
IH 225

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NI 218
NI 213
NI 212
Hawkbilt 357
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NH 790
Starline 930
NH 519
IH 595
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NH 676S
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JD 345-4x16-auto
IH 450-4x16-auto
AC 2x12 trailing
AC 4x16-auto
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Case 5x16
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IH 800, 6RN Corn Planter
IH 400 cyclo
IH 56 plate
JD 7000-6rn
White 543, 4RN
Ford 311-4row
IH 455-4row
JD 494A-4row
IH 449-4row
AC 600-4row-air
IH 800-6rn-cyclo
JD 1440-4row

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NI 214
NI 224
NI 354
Martin Scavenger
NH 675
NH 679
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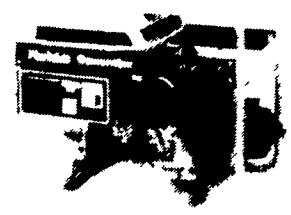

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IH 9 tooth trailer type chisel plow
NH 269 Baler w/thrower
Trailer Type Rotary Mower, $475
IH Loaders to fit H, M, 300, 350 & 300 & 350 utilities
NI Cut/ditioner
Ferg. loader w/hyd. bucket & front pump $650
12 Tooth Trailer type chisel plow
JD 210 wheel disc, like new
Ford 3 pt. disc, $475
JD 16' wheel harrow $1475
IH 315 14' cultimulcher

New 3 Pt. Equipment

DISMANTLING TRACTORS FOR PARTS
Harvesters and Corn Heads for Parts

IH: 1256, 666 Hydro, 806, 660, 656, 560, 504, 404, 460, 450, 400, 350, 300, 340, 240, MTA, M, H, C, BN, A, Cub, F30, F20, F14, F12. JD: 4010, 3010, 2010, 70, 60, 50, A, B. AC: 180, D17, WD, WC, CA, C, B. MF: 1155, 90, 85, 444, 333, 44, 33, 30, 20 Case: 300, DC, SC, VAC Ford: 6000, 4000D, 860, 800, 8N, 9N Oliver: 88, 77, 70, 60. Crawler: D2 Cat & Oliver

Dismantling 50 pickers for parts

POSITIVELY NO OUT OF STATE PERSONAL CHECKS

KEITER'S FARM MACHINERY

R.D. 1, Halifax, PA 17032 Rt. 225
20 mi. north of Hbg.
Phone: 717-362-9574

case

A Fresh Team For Today's Farmer!

NEW TRACTORS

Case-IH 2096 W/Cab

NEW TILLAGE EQUIPMENT

IH 4500 12' V.S. Field Cult.
IH 5509 3 pt. Chisel Plow
IH 5511 3 pt. Chisel Plow
IH 475 12' Disc Harrow

NEW PLANTING & SEEDING EQUIPMENT

IH 800 6R Air Planter
IH 800 4R Air Planter
IH 5100 16x7 Plain
IH 5100 18x7 Plain

NEW MATERIAL HANDLING

IH 540 Spreader
IH 560 Spreader

NEW HAY & FORAGE EQUIPMENT

IH 435 Baler w/Thro
IH 86 hay Rake
IH 1190 Mower Cond. 9'
IH 3450 Round Baler

USED TRACTORS & EQUIPMENT

IH 1086 w/Cab	$20,950	Cultipacker 9'	$300
IH 986 w/Cab & Duals	$19,500	McCon. 16' Trans harrow	$1750
IH F-706D, tri frt 2 pt	$6950	IH 531 3F 14" 3 pt Plow	$475
IH F-400 G	$2250	IH 540 4F 16" Plow	$1150
IH Super M w/loader	$1850	IH 550 5F 16" Plow	$1250
IH F-460D w/2 pt..	$2350	IH 55 11' 2R 3 pt Chisel	$875
Dual Whl. attach. 18 4x38 w/tires	$750	IH 710 5F 16" Plow w/Cyl.	$2250
Dual Whl. attach 18 4x34 rims	$650	E-Z Flow 12' Fert & Lime Spreader	$650
IH 843 4R Narr Cornhd	$4850	IH 510 SD 16x7 Drill	$3500
IH 810 13' Grain Hd.	$1250	JD FB 13x7SD Drill	$850
Oliver 18 Pull Combine	$650	IH MF SD 13x7 Drill	$300
NI 323 1R Corn Picker.	$2650	IH 56 4R Planter	$950
IH 46 Baler w/Thro	$1250	IH 400 4R Planter	$950
Gehl CB 600 Forage Harvester w/hds	$3850	IH 400 6R Planter w/Insect.	$1750
IH 61 Forage Box w/roof	$1150		
Pitts. 12' disc harrow	$1950		

NEW GRAVITY BEDS & RUNNING GEARS

E-Z Trail 8 ton running gear w/tires & QK-hitch..... $900
E-Z Flow 170 bu. gravity bed..... $600

MIFFLINBURG FARM SUPPLY, INC.

case

Route 45 East, Mifflinburg, PA 17844
Phone: (717) 966-3114
Evenings - 717-524-2924 - Frank Saner

WENGERS INC.

251 SOUTH RACE STREET, MYERSTOWN, PA 17067

TELEX 316290

PHONE: 717-866-2135

NIGHTS, PHONE: 717-866-7147 or 717-273-9089

JOHN DEERE TRACTORS

A w/Widefront	$1500
3010 Gas-Try	$2700
730 Gas-Try	$2900
R-New Paint	$2900
730D-Try-3 pt.-Direct Ele.	$3200
420-WF-3 pt.	$3400
3010-WF-3 pt.-Diesel	$3500
2020-Poor	$3800
730 Diesel-Try-3 pt.	$3900
435 Diesel-WF-3 pt.	$3900
730 Diesel-WF-3 pt.	$4500
JD 301-WF-3 pt.-1971-RCP	$4800
JD 2010 w/Loader	$4900
4020D-Diff.-1967-As Is	$5400
3020 Gas-Console-WF	$5900
3020 Diesel-WF	$5900
3020 Diesel-WF-3 pt.-Rollbar-Syncro	$5900
JD 301 w/Mower-Clean	$5900
5020	$5900
2520-D-WF	$6900
3020 Diesel-WF-3 pt.-Side Console	$6900
4020-Very Nice-RCP	$7500
3020 D-SC-PS-DIFF, WF	$7900
5020-Duals	$7900
5020-Cab	$7900
4230-4 WD-Cab-Quad	$15,500

MASSEY FERGUSON TRACTORS

30-WF-3 pt.	$2400
35 Diesel-Nice-RCP	$2900
35 Gas-WF-3 pt.	$3400
MF 165 Gas-WF-3 pt.	$3900
265-Needs Redone	$4500
65 Utility Diesel-Rebuilt Multi Power	$4600
50-GAS-RCP-Sharp	$4800
165 Diesel-Nice	$5400
135 w/ldr.	$5900
2135 w/ldr.	$5900
1080D-1969	$5900
1130-Diesel-WF-3 pt.-RCP	$5900
150-Sharp-RCP	$5900
1150-Cab-Duals	$8900
40B w/ldr.-RCP	$9500

FARMALL TRACTORS

H-Fenders-Clean	$1500
460-Gas-Try	$1900
Super A w/Cult.	$2200
404	$2400
(2) 560 Gas	Each $2400
Super C w/Cult-Sharp-Sharp	$2600
404 w/Mower	$2900
Super AV w/Cultivator-RCP	$2900
560-D-WF-FH	$3500
350 Utility w/Rotary Mower-RCP	$3600
460 w/Loader-Utility-Gas	$3900
140 w/Woods Rotary Mower-RCP	$3900
560D-Clean-Wide Front-FH	$4500
826	$4900
1066-Rough	$4900
374-Cab-Clean	$4900
100 Hydro-WF-3 pt.	$5400
424 w/ldr.-RCP	$5900
544 w/Ind. Rotary Mower-RCP	$5900
574-Cab-1975-4300 Hours-Nice	$5900
656D-Hydro-Clean	$6500
574-Cab-1977-Nice	$6500
966-WF-3 Pt.	$6500
574-Cab	$6700
756-D-WF-Nice	$6900
784-Cab-3500 Hours-1978	$6900
684-Cab-1980-Nice-2300 Hrs.	$7900
584 Diesel-1980-1100 Hours	$8900
784-4 WD-Cab-Nice-1979-2700 Hrs.	$9900

OLIVER & WHITE TRACTORS

1850 Diesel-Rough	$2900
Super 55	$2900
1265	$3500
1650 Gas-New Tires	$4500
1950T	$4900
1800-Cab-Nice	$4900
1850 Diesel	$5900
4-180 Duals, Cab, 3 pt. PTO-1977 Air-1800 Hours	$14,900

CASE TRACTORS

350 w/Loader-3 Pt. PS	$2900
930 Diesel	$2900
1070 w/Cab-As Is	$4500
2670-Cab-Duals-3 pt.-PTO	$9900

IMT, LONG & KUBOTA TRACTORS

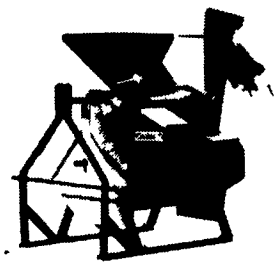
Long 460-1978-As Is	$2500
Kubota B6000 w/Mower	$2600
Kubota L175	$3200
Kubota L175 w/Mower	$3800
Kubota B7100 w/ldr.-4WD	$4800
Kubota B7000-4WD-Rotovator	$4800
Kubota L275	$4900
Kubota L185-Nice w/Mower	$5600
Long 610-Hi-Clear	$6900
IMT 539-New	$6995
360 4 WD-New-Was $13,690	$9873
460 4 WD-New-Was $15,373	$11,119

FORD TRACTORS

2000 Dextra Diesel	$1900
6000D-Wide Front	$2000
800 w/ldr.	$4500
8000	$5800
4400 w/ldr.-Forks	$5900
3000-Gas-PS-Nice	$5900
2000 w/Mower-CLEAN	$6500
8000D-Weights-38" Rubber	$6500
3400 w/ldr.	$6900
4400 w/ldr.	$6900
(2) 6600-Cab-1977-Dual Power	Each $6900
6600-Cab-1977	$6900
(2) 3550 w/ldr.-RCP	Choice $7900
8400 w/ldr.-RCP	$7900
6600D-Flat Deck-1976	$7900
4600D-1981	$7900
8000D-Cab-Duals-Wts.	$7900
6500 w/ldr.	$10,500
445 w/ldr.	$10,900

ALLIS CHALMERS TRACTORS

AC WD45	$1000
ED40	$1900
D19 Diesel-has Loader	$2800
185	$4900
7000-Is-Cab-Poor	$4900
7050-Cab-Poor	$4900
190 XT Series 3-Cab-Nice	$6900
200-No Cab-Nice	$6900
220-Very Nice	$6900
185-Wts.-Very Nice	$8500
185 Cab-Air-1978-2200 Hours	$9900



NEW CORNSHELLERS 3 Pt. & Pull Type

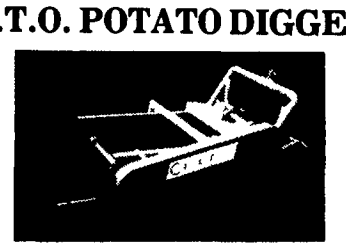
- 3 Pt. Economy $795
- 3 Pt. Standard $1395
- 3 Pt. Deluxe $1695
- Pull Type ..... Add $100

25 Coming End of February-Order Now, Don't Be Disappointed By Waiting Too Long

NEW 3 PT. 1 ROW P.T.O. POTATO DIGGERS

Complete w/P.T.O. Shaft, Side Cutters, Adj. Rubber Gauge Wheels.
36 Arriving In March

$1,295



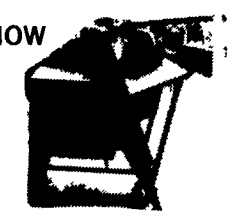
Pictured Is Standard Model

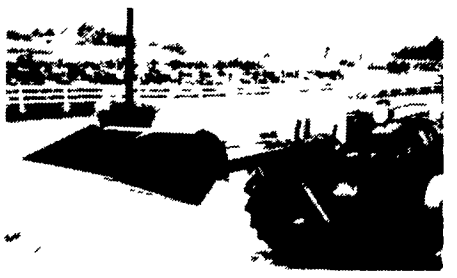
SITREX 3 PT. WOOD SAWS

ON STOCK NOW

$399 SETUP

Compare At $895





New 3 Pt. Loader w/ Snow or Dirt Bucket ONLY $695

IH 684 1980, 2300 Hrs., TA, Clean $7,900

CONSTRUCTION EQUIPMENT

NEW 1985 TRAILERS ON SPECIAL

- 2 Axle, 4 Ton, 14 Ft. **$1,600**

DOZERS

JD 2010	$4900
Case 310	$4900
Case 750	$4900
IH TD6-62 Series	$5400
IH 500 w/3 pt	$5900
AC HD4-6 Way	$8700
(2) AC 653-6 Way-Each	$8900
JD 350B	$9800
JD 450	$9800
Case 350 6 Way	$9800
Cat D4D	$10,800
JD 350C-6 Way	$12,800
JD 450B-6 Way	$13,800
Case 350B 6 Way-1979	$15,900

FORKLIFTS

4000 lb., Solid Tires, Side Shift	$1200
3 pt. Attach-NEW	$2500
MF 205-RT	$4900
Erickson 5000 lb.-RT	$4900
Clark 8000 lb -RT	$5900
Datsun 9000 lb	$6900
Hyster 10 Ton	$9900
MF 2200-21'	$10,500
IH 4500-CAB	$14,500
Sanderson SB70	$18,500

LOG SKIDDERS

Ford Log Hog	$3700
Athey As Is	$5900
Franklin 130B	$5900
IH S7C	$7500
JD 640 w/Grapple	$18,900
JD 440C-1978	$19,800
JD 640	$24,900

RUBBER TIRED LOADERS

Hough H25	$1900
MF 356	$2500
Little Dipper	$2500
Michigan 55	$3500
Hough 30R	$5500
Trojan 164 Diesel	$5500
Case W9D	$6500
Michigan 55 GM	$8500
Trojan 264-GM	$8500
Terex 72/31-1972	$15,800
Case W26B	$23,900
Ford A62	$23,900
Ford A64 1978	$25,900
Fiat 645B	$26,500
Cat 920-1978	$29,500

TRAILERS

1973-5 Ton	$1200
1985 2X 4 Ton	$1600
Used 10 Ton	$2500
24' Gooseneck	$4400
1985 3X 9 Ton	$4500
32' Gooseneck-3 Axle	$4900
15 Ton Lowboy	$4900
1986-12 Ton	$6800
1978-25 Ton Fold Gooseneck	$19,500

CRAWLER LOADERS

Case 310	$2500
AC H3 w/Ripper	$5900
IH 500C	$6900
JD 350B	$7900
Case 1150	$9500
JD 350B	$9800
Cat 951A	$10,500
Case 450 w/Cab 4 in 1 Hoe	$15,500
Cat 951	$15,500
Cat 941 w/4 in 1 bkt	$21,700

BACKHOE ATTACHMENTS

JD-Case-AC-Long 3 pt
McConnell 3 pt.

TRACTORS WITH LOADERS

AC D19	$2800
Case 350	$2900
IH 460	$3900
Ford 800	$4500
Kubota B7100-4WD	$4800
JD 2010	$4900
MF 135	$5900
Ford 4400	$5900
MF 2135	$5900
IH 424	$5900
Ford 3400	$6900
Ford 4400	$6900
(2) Ford 3550	Each $7900
Ford 8400	$7900
Ford 420	$8900
MF 40B	$9500
Ford 6500	$10,500
Ford 445	$10,900

SKID STEER LOADERS

Gehl - As Is	$1500
IH 4120	$3500
Case 1740D	$5800
Melroe 825D	$11,800

BACKHOES

Linkbelt LS52	$4500
(2) IH 3514-Each	$7500
(2)Ford 4500-Each	$7500
IH 2400	$8900
IH 2500B	$9500
Long 5 in 1	$9500
IH 3600-ROPS	$9500
Ford 4500 Cab	$10,800
IH 3800-4WD	$10,800
Case 580B	$11,400
Case 580B	$11,900
MF 50C-CAB	$12,500
Ford 5550 ROPS	$12,800
JD 410, Cab	$16,800
Case 580F-4WD	$18,500
JD 310A	$19,500
JD 410-Cab-1980 500 Hrs	$23,800
Ford 535	Coming In

MISC. CONSTRUCTION

(60) Used Hoe Buckets	From $100
(30) Loader Buckets	From $100
(30) Set Forklift Forks	From $300
Pull Type Grader	$900
New 3 pt. Winch	$1500
JD 350 Winch Attach	$1900
Huber Maintainer	$1900
Case 580 w/Knuckle Boom Loader	$4500
AC D Grader	$5900
Huber Maintainer DIESEL	$5900
AC 700 w/Log Loader	$9500
Ditch Witch R65 w/Hoe	$9500

EXCELLENT SELECTION OF AFFORDABLE USED EQUIPMENT

WENGERS INC.

251 SOUTH RACE STREET, MYERSTOWN, PA 17067

PHONE: 717-866-2135

TELEX 316290

NIGHTS, PHONE: 717-866-7147 or 717-273-9089

1 MILE FROM LEBANON VALLEY AIRPORT

CORNHEADS

AC 2 Row for A, E, K, E III, F
AC 3 Row for A, K
AC 4 Row for G, C, C II, L, M, F
AC 6 Row for C, C II
JD 2 Row for 40, 45, 55, 95, 3300, 4400
JD 3 Row for 45, 55, 95, 3300, 4400
JD 4 Row for 105, 4400, 6600, 7700, Etc.
JD 6 Row for 6600, 7700, Etc.
IH 2 Row for 91, 93, 105, 203, 205, 315, 303, 403, 615, 715
IH 3 Row for 203, 205, 315, 403, 715, QT
IH 4 Row for 403, 715, 815, 915
IH 6 Row for 815, 915 - All QT
MF 2 Row for 300, 410
MF 3 Row for 300, 410, 510
MF 4 Row for 410, 510, 750, 760, Etc.
MF 6 Row for QT
Oliver 2 Row for 25, 525
Oliver 3 Row for 525, 535, All QT
Oliver 4 Row for 535, 545, 555, All QT
Case 2 Row for 600, 660
Case 3 Row for 960, 1160
Case 4 Row for 1160
NH 2 Row for 975
NH 4 Row for 975, 985, All QT

BALERS

NH 315 w/Thrower
Ford 530
Case 220
IH 37
Extra Throwers
JD 214 Wire Tie

CORNPICKERS

NI 324 w/12 Roll Bed
NI 324 w/Super Sheller
NI 323-Demo
(3) Ni 323 - Used
NI 10 1X Pull

ROLLBARS & CABS

IH 2 Post w/Roof
IH 806 Cab
Case 1070 Cab
AC 7000 Rollbar
JD 4020 Cab
DB 1200 Cab
(30) Combine Cabs
Case 990 Cab
AC 7030-7050-Cab
MM G1000 Vista Cab
Ford 5000 Rollbar
Ford 4000 Cab
Case 930 Cab
Ford 9600 Cab
Ford 6600 Cab
JD 4320 Cab

SHELLERS & GRINDERS

MM 1200 Sheller
NI 315 Sheller Attach.
NI 314 Sheller Attach.
NI Super Sheller Attach.
NI 317 Grinder Attach.
NI 318 Grinder Attach.
IH 234 Sheller Attach.
JD 43 3 pt. Sheller

HAYBINES

NH 478-7'
Hesston 1070-7'
JD 1209-9'

PLOWS

AC 2x & 3xSC
JD (3 pts) - 2x-3x
JD (Semi) - 4x-5x-6x-7x
JD (pull) - 2x-4x Reset
JD 1x Reset 2500 Attach
Oliver (3 pts) 2x-3x
Oliver (pull) 3x
White (semi, Reset) 4x-5x
Ih 1x (FH & MTD)
IH 2x, 1 pt, FH & 3 pt.
IH 3x FH & 3 pt.
IH 4x pull
IH 4x Reset (On Land)
IH 550 5x (Semi)
IH 710 5x (Semi)
IH 710 6x (Semi)
Ford 1x & 2x (3 pts.)
MF 880 5x (Semi)
MF 2x Rollover
Oliver 4x3 pt.
JD 5x Rollover
Oliver 3x Rollover
JD 3X Rollover
IH 3X Rollover
IH 4X Rollover

LOADERS

Loader Off D.B. 990
Loader Off AC D19
Ford Off 8N
Freeman Off 880 Brown
AC Off 1600
JD 36A Off 1020
Souders Loaders
Case for 970 & Larger
IH for 300 Utility
IH 2250 Loader
IH 2050 Loader
IH 2000 Loader
IH 3000 Loader
Loader Off Ford 8000

DISC'S

IH 8' 10'-11'-13' Transports
JD Plowing Disc-10' & 12'
JD BW-14'
KK 6' 3 pt.
Kewanee-13' Rock Flex
IH 480 w/Wings-24'
IH Cub Disc
JD 10' RWA Transport
IH 7' Pull Type

HARVESTERS

Fox Super 1000
JD 38
MF 260
NI 705 Uni System
NH 718
IH 555
NH Super 717
JD 34

SICKLE MOWERS

JD 9 3 pt.
Ford 3 pt.
IH Cub
IH FH
Sitrex 3 pt. dynabalance

CULTIVATORS

AC D14-D15 2x
Ford 2x
JD 2x (H & 420)
JD RG6
JD RM6
JD 6x Frt Mtd
IH Cub & Super A, A
IH C-H-M 2x Frt.
IH 461 Ftr. Mtd. 4x
IH 4x FH
IH 153 4x 3 pt.
1x3 pt. - New
Westgo 6x 3 pt.

COMBINE SALE EXTRAVAGANZA

All Combines Have Cabs

- JD 3300 D-R Screen-QT-Base $7420
- JD 6600D-R Screen-Hydro-QT-Base $8920
- IH 615G-R Screen-QT-Base $5940
- White 7300 G-QT-Base $5870
- Gleaner K-R Screen-QT-Base $8610
- MF 300 G-QT-Base $4860
- MF 750D-QT-Base $9340
- JD 45 SB-w/Grain Head $2810
- Case 600-w/Grain Head $2490

CORN & GRAIN HEADS AVAILABLE

HARVESTER HEAD SPECIALISTS

(75 In Stock)

1X Corn for NH, Fox
2X Wide for NH, Fox, JD, IH
2X Narrow for NH, Fox, JD, IH
3X Narrow for NH, Fox, JD, IH, MF, Badger
1X Snapper for NH
2X Snapper for NH, Fox, JD
3X Snapper For Fox, JD
Pickup's for NH, JD, IH
Cutterbar's for NH, Fox, JD, IH

LOTS OF EXTRA COMBINE GRAINHEADS TO FIT MOST MACHINES

TRUCKS

GMC w/Grain Body $1500
1947 Ford Pumper Truck $2900
1966 Chevy C60 Dump $4500
1975 Ford 8000 TT $6800
1975 Transtar $6800

FIELD CULTIVATORS

JD 12' 3 pt.
JD 18' 3 pt.
Glencoe 13' 3 pt.

MISC. EQUIP.

JD 6500 Blower
24' Cardinal Elevator
Spike Harrow
CORN DRAGS
IH Cub & 140 Attachments
Hesston 10W Mower
8' FH Blade
10' & 12' Lime Drills
IH Side Dressers
8' to 12' Spring Tooth Harrows
Tandem Axle Fert. Spreader
Hesston 30 Mover
JD Tedder
(5) Bale Wagons
(2) Hesston 10 Stackers
NH 32' Elevator
Danuser PHD
Fox 660 Blower
JD 8200 Drill
IH 510 Drill
IH 56 Blower

CULTIPACKERS

9'-12'
14' w/Transport

TRANSPLANTERS

2 Row - Pull & 3 pt.
1 Row - 3 pt.

ROTARY MOWERS

JD 5' Pull
Modern 7' Pull
Toro 3 Gang Reel (SP)
Ford 7' Pull
Woods C80 Pulltype
Woods 6' Offset, 3 pt.
FMC 13' Pull Type

DUALS

18.4x34 MF Axle
18.4x34 Snap On
20.8x38 Axle
18.4x34 Axle
18.4x38 Snap On
18.4x38 Ford Axle

FORAGE WAGONS

JD 214 | Gehl
Fox 625 | Gehl 940

NEW IDEA UNI SYSTEM ATTACHMENTS

731 4x40 Cornheads
743N Cornhead
766 Pickup Head
Extra Grain Heads
728 4x30 Corn Head
760 Harvester
3x30 Harvester Head
705 Diesel Tractor
2x40 Harvester Head
QT Throat Assy.
710 Combine

HAY RAKES

Sitrex 4 Wheel-3 pt.
JD 660

SPREADERS

NH Tandem Axle-250 Bu.
NI 12A - Like New
Betterbilt 2100 Liquid Spreader
JD R
NI 14-Like New

POTATO EQUIP.

Iron Age 2X Planter
1 Row Planter
2 Row Digger
1 Row Digger

CORNPLANTERS

IH 2X Fast Hitch
Ford 6X Pull
JD 246 2x3 Pt.
MF 2x 3 Pt.-New
IH 56 - 2 Row
IH 449 4x Pull
JD 290 2x Pull
IH 400 Air

CHISEL PLOWS

JD 10' Pull
Landoll 10' Pull
5 Tooth V Chisel (3 pt.)
Kent 7' Soilsaver
Lely 12' Roterra
5', 8', 10' 3 pt.
1 tooth 3 pt. subsoiler

CULTIMULCHERS

Brillion 12'
JD 930 - 12' 3 pt.

NEW EQUIPMENT SPECIALS

SITREX P.T.O. TEDDERS

SPECIAL EARLY ORDER
For 2-Wheel Pulls or 3 Pt.
$895
ON STOCK

4 Wheel Pull ..... On Stock ~~$1795~~
3 ONLY
REDUCED FOR CLEARANCE..... $1395

ROTARY MOWERS

40" 3 pt Heavy Duty $495
4' 3 pt Standard Duty $395
4' 3 pt Heavy Duty..... $495
5' 3 pt Standard Duty $395
5' 3 pt Heavy Duty..... $495
6' 3 pt Heavy Duty..... $695
7' 3 pt Heavy Duty..... $1395
4' pull Heavy Duty $595
5' pull Heavy Duty $695
6' pull Heavy Duty $895
7' pull Heavy Duty $1495
4' 3 pt Estate $1195
5' 3 pt Estate $1295
6' 3 pt Estate $1495

SICKLE BAR MOWERS

6' 3 pt pitmanless $1495

SCRAPER BLADES

6' 3 pt Heavy Duty..... $175
7' 3 pt Heavy Duty..... $195
8' 3 pt Monster Duty $695

CEMENT MIXERS

3 pt 9 cu ft. $495
3 pt 12 cu ft. $550
3 pt 20 cu ft. $695

STONE RAKES

6' 3 pt..... $495
7' 3 pt..... $550
8' 3 pt..... $595

HAY TEDDERS

2 Wheel Pull PTO $895
2 Wheel 3 pt PTO..... $895
4 Wheel Pull PTO $1695
4 Wheel 3 pt Ground $465

HAY RAKES

4 wheel 3 pt..... $465

WOODSAWS

3 pt PTO 30"..... $399

CULTIVATORS

1 row 3 pt $95

BOOM POLES

Standard 3 pt..... $79
H.D. 3 pt..... $179

POTATO PLOWS

1 row 3 pt $95

ROTOVATORS

50" 3 pt Standard Duty..... $875
60" 3 pt Standard Duty..... $975
60" 3 pt Heavy Duty $1275
66" 3 pt Heavy Duty $1375
72" 3 pt Heavy Duty $1775
74" 3 pt Standard Duty.... $1475
82" 3 pt Heavy Duty $1975

LOADERS

3 pt snow & dirt bucket..... $695

SEEDERS

PA 150 3 pt $275
PA 250 3 pt $285
PA 300 3 pt $295
PA 400 3 pt $395
PA 500 3 pt $450

LANDSCAPE BOXES

3 pt 5'6" $495
3 pt 6'..... $495
3 pt 7'..... $595

TRAILERS

1985 4 ton 14'..... $1595
1985 4 ton 16'..... $1695

POST HOLE DIGGER

3 pt 6", 9", 12", HD..... $495

CHISEL PLOWS

3 pt 9 tooth spring loaded... $595

DIRT SCOOPS

3 pt Reversible $395

WINCHES

3 pt 6600 lb $1495

DISC HARROW

5'6" 3 pt 18" Combo $495
6'6" 3 pt 18" Combo $495

SUBSOILERS

3 pt 1 shank HD $369

BALE MOVERS

3 pt 3 tine HD..... $379

FORKLIFTS

3 pt tilt cyl HD $2495

WAGONS

6 ton $450
8 ton loaded $550
10 ton loaded $625

BACKHOE BUCKETS

12"..... $495
18"..... $595
24"..... $695
36"..... $895
Add $200 For H.D.

Sweigard Brothers

RD #3
Halifax, PA 17032
717-896-3414

FORD TRACTORS

New TW 20 w/Cab, 4WD, Air
New 7710 w/Cab, Air
New 2810
New 2110 & 1910, 4WD
New 1310, 1510, 1710
New 1210 4WD Hdro. Drive, Mid PTO
Used 641, excellent condition

NEW HOLLAND

New L325 Gas L555 D Skid Loaders
New NH 353 & 358 Grinder Mixers
New 34 & 38 Crop Choppers
Used 36 Crop Chopper
New #8 Forage Box

NEW IDEA

New NI 406 Rake
New NI 323 One Row Corn Picker
New NI 3 pt. Hitch Fertz. Spreader

OTHER EQUIPMENT

New Glencoe 12'9" Finishing Harrow
New Glencoe Soil Saver Stretch 7 Shank
New Glencoe Soil Saver 5 Shank
New Amco Heavy Duty 12' Disc Harrow
Used IH 550 Harvester w/Windrow PU & 2R Corn Head

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(2) Ford Jubilee w/Loader
(2) Ford 8N
Ford 901 w/loader
(3) Ford 2000
(6) Ford 3000
Ford 3600 w/cab
Ford 4000 1966
Ford 4000 1968
Ford 4000, 4WD
Ford 4100
Ford 4100 w/Cab
Ford 4610
Ford 4610, 4WD
(2) Ford 5000
Ford 6610
Ford 6[SOLD] 4WD
Ford 7000
Ford 7400, 4WD & DP
Ford 7600, DP
Ford 7600 w/cab & DP
Ford 7700 w/cab & DP
Ford 8200, 4WD, 110 h p
Ford 9700 cab, DP
Ford TW15 w/cab & air
Ford TW20
JD 2130 1978, w/cab H 4WD
JD 2130
JD 30[SOLD]h 4WD
JD 3040 w/cab
(3) JD 4040, 2WD
(2) JD 4240, 4WD, cab & air
JD 4440, 4WD
IH 856
IH 330 Utility
IH 330 w/Loader
Case 2090, 2 WD w/cab & air
Case 2290, 2WD w/cab & air, power shift
Oliver 1465

New MT 160, 4WD
New MT 160, 4WD w/loader
New MT 210, 4WD w/loader

We are now your authorized Mitsubishi Dealer

We also have a large inventory of tractors at our other location at 4530 Olde Scotland Rd., ¼ mile off Exit 8 on 696 North.

¼ Mile East of Exit 6 I-81 on U.S. 30
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NEW EQUIPMENT

TRACTORS

JD 650, 2WD
JD 750 2WD & 4WD
JD 850 4WD
JD 950, 2WD & 4WD
JD 1050 2WD & 4WD
JD 2150
JD 2350
JD 2950 MFWD
JD 4050 SG, QR
JD 4450 MFWD SG, PS

COMBINES & HEADS

JD 643 Corn Head

HAY TOOLS

JD 1219 Mower Conditioner
JD 430 Rd. Baler
JD 327, 337 Balers
NH 316 Baler

TILLAGE EQUIPMENT

JD 2800 5B Plow
JD 235 19'11" Disc
JD 115 10' Disc
JD 215 11'5" & 12'10" Disc
JD 1610 Chisel Plow
JD 1000 3B Plow

PLANTING EQUIP.

JD 7000 Cons. Pltrs. 4R & 6R
JD 8200 21x7 Plain Drills

OTHER EQUIPMENT

JD 1065, 1075 & 1275 Wagon

USED EQUIPMENT

IH 966 Tractor ACWD
JD 3300 Combine
JD 237 Picker
JD 16' Grain Platform
AC K2 Combine
Fox 3000 Fg. Harv.
Lely Roterra 13'6"
JD 6 Row Max Emerge Planter w/Liquid Fertilizer
White 5400 No-Till Planter
1,000 Gal. Zero Bulk Tank, $750

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Nothing runs like a Deere

Century 1000 Gal. Sprayer with Electric Controls Dye Marker and Hyd. Fold	$5,950

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IHC 1066 Hydro w/Cab	$9,750
IHC 86 w/cab, Duals MFWD	$20,900
IHC 350 Utility w/Loader	$3,500
IHC 1066 Hydro	$10,500
Farmall Super C w/fast hitch	$1,850
JD 530 3 Pt.	Coming In
JD 2840 Excellent	$13,500
Oliver 1850 SOLD	$7,500
Oliver 1550, Dsl.	Coming In
Ford 800	Coming In

COMBINES

IHC 82 Pull Type	$2,250
Gleaner K	Coming In
NI 729A Sheller Unit w/4 Row Narrow Corn Head	$6,100
NI Uni System 702 w/729A Sheller & 3R Corn Head	Coming In
JD 4400 Diesel Rotary Screen Ex. Cond.	Coming In

FORAGE & HARVEST SPECIALS

JD 3 Row Wide Forage Head Like New	$3,950
JD 7 Ft. Pickup Head	$1,850

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717-463-3511 463-2161

NH TR85, 1,800 hrs., cab, 4WD, Cat. dsl., hydro, 16' platform
NI 710 Uni Combine w/10' grain platform
MF 760 combine w/hydro, cab, AC, 1163 corn head, platform, $29,000
MF 205 combine w/heads
NH 975 combine w/platform and QT Feeder House
JD 4400 diesel, rotary screen, cab, air, 13' platform
510 MF w/platform, cab, air, nice
(3) JD 444 corn heads
JD 643 corn head
Assorted JD platforms
NI 314 2 row pull type sheller
NI 325 2 row narrow sheller, excellent
JD 300 Husker
Waiver on New & Used

USED TRACTORS

JD 4240, SGA, power shift, excellent
JD 2950 Tractor, 500 hrs., like new
JD 2840 tractor, new tires, good cond.
(2) JD 2010 Gas, nice
JD 70 Gas, excellent
JD 60 Tractor
JD A Tractor w/picker
IH 584, less than 200 hrs., like new
MF 65 tractor, good, new tires, reduced $3,200
Farmall H (1) w/cultivators, sharp
Ferguson 35 w/loader
(2) AC WD w/2 btm. plow

TILLAGE

IH transport disc, 12', good
IH 720 4 btm. plow, excellent
(6) 2, 3, 4, 5 bottom plows
9' Case transport disk
10' Oliver disk
18' transport harrow
JD 12' drag harrow

DRILLS & PLANTERS

JD 1440 no-till planter, dry, insect., very good
(2) JD 1240 planters, good cond.
(2) JD 7000 4 row conservation planter, dry, insect., markers, monitor, excellent.
MF Grain Drill, steel wheel, nice
(2) IH 56 4 row DD, dry fert.

HAY, FORAGE & MISC.

NH 315 Baler
NH 273 Baler
NH 68 baler w/thrower
JD 480 mower conditioner
(3) Used Flail Choppers
JD 506 Rotary Cutter
IH 830 harvester w/2 row head, excellent cond
JD 38 Harvester
8' Brillion Cultipacker, like new
JD 115 Forage Box
JD 750 grinder mixer, very good
JD 80 tool bar, 2 row cultivator
Ford 3 pt. hitch mower, $425
(2) 512 NH Spreaders, $800 each
(2) Used gravity bins w/running gears
IH 990 haybine, 9'

USED EQUIPMENT

NEW EQUIPMENT SPECIALS

New Landall 5 Shank Soil Master
JD 1610 Pull Type 11' Chisel Plow
JD 1710A Pull Type 11' Mulch Tiller
JD 2700 6 Bottom Spring Reset Plow
JD 2600 5 Bottom Spring Reset Plow
JD 1010 13' Field Cultivator
JD 900 V-Ripper 7 Standard
JD 27 Flail Shredder

TRACTORS

JD 4630 w/duals	$17,000
JD 4430 w/4 Post	Coming In
JD 4040	$20,500
Ford 6000	$ 2,900
Oliver 1650 Diesel Overhauled	$ 5,500
JD 3010	$ 5,500
JD 2020 w/Hi-Lo, 1900 hrs., new paint	$ 6,500
IH 1486 w/Duals	$16,900
IH BN w/Cult.	$900
Long 450 Dsl.	$4,500
IHC w/Equip.	$1,900
JD 2940	$15,000
JD 730 Dsl	$ 3,500

COMBINES

JD 6620 Sidehill w/643 C.H. & JD 215 Flex Head	Call for Price
IH 205 Combine w/3R C.H.	$ 5,500
68 JD 45	$ 5,000
MF 300 Massey w/heads	$ 6,500

MANURE SPREADERS

JD 680	$3,500

PLANTERS

JD 4 Row Cons. w/Liquid	$ 7,500
JD 4 Row Consv. Liquid	$ 7,500
AC 4 Row 800	$ 1,500
(2) JD 7000 Cons. 6 Row	$ 9,000
JD Cons. 7000 6R. Liquid	
JD 8300 21x7 w/Tru-Vee Openers	$ 4,100

TILLAGE

JD 315 Disc	$ 4,900
JD 950 10' Roller Harrow, Like New	$ 3,500
JD 1010 Folding Field Cultivator, 22'	$ 3,500

HARVESTING

IH 720 Harvester w/2 Heads	$ 3,500
JD 1209 Mower/Conditioner	$ 1,500
NH 469 Mower Conditioner	$ 1,000
Hesston PT10 Mower Conditioner	$ 1,800
NH #36 Crop Chopper	$ 1,900

NI 801 Power Unit, 4WD w/818 Combine & 846N Corn Head, 800 Hrs.
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TOBIAS EQUIPMENT CO., INC.

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NEW SPECIALS

10 ft. Brillion Seeder $2995.00
NH L445 (DEMO) Skid Loader $12,995

COMING IN

NI 323 1-Row Picker
JD 3940 Forage Harvester w/Pickup and Cornhead
NH 1495 SP Haybine, Planetary Drive
NH 1495 SP Haybine, Hydrastatic Drive
Gleaner L Combine w/15' 4-Row Wide Cornhead

UNI EQUIPMENT

709 Uni Tractor w/Rear Wheel Assist, Fully Wgted
702 (Gas) Uni Tractor
760 Uni Chopper
762 Chopper Head (2 Row)
724 Stripper Head (3 Row Wide)
729 A Sheller
766 Pickup Head
844 N Cornhead
717 Combine

MANURE SPREADERS

NI 213 Manure Spreader
NI 245 Manure Spreader w/End Gate
NI 218 Spreader w/Hyd. Endgate
NI 206 Ground Drive Spreader
Starline 930 L.H. Tank Spreader

COMBINES & CORNHEADS

1976 KKS Gleaner Combine w/10 ft. Hdr.
1974 300 M.F. Combine w/10 ft
AC 238 (2 Row) Corn Head
M.F. Qt. 24 Corn Head
MF 322 Corn Head (3 Row Wide)

USED TRACTORS

A.C. 6080 Fully Weighted
JD 620 Tractor

HAY EQUIPMENT & FORAGE

NH 495 (12 ft.) Haybine
NH 489 Haybine
JD 1219 Haybine
NH 469 Haybine
NH 1495 Hydrostat with Air
NH 320 Baler w/No. 70 Thrower
NH 1010 Automatic Bale Wagon
NH 770 R-2 Chopper Head (2 Row Wide)
NH 880 N-2 Corn Head
890A, 890W, 890-N-3 (3 Row Narrow Chopper Head)
NH Super 23 Forage Blower
NH 27 Forage Blower
NH 717 Super Forage Chopper
NH 890 Forage Harvester
Int. 650 Forage Harvester
Hesston PT10 Haybine
Hesston 1010 Hydroswing Haybine
Int. 430 Baler
Fahr 17 Ft. Hay Tedder
MF #12 Baler w/Thrower
717W Pickup Head
741 1 Row Chopper Head

MISC.

NH 352 Grinder Mixer
450 Art-Way Grinder Mixer
731 Bobcat Skid Loader

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Steiger Bearcat, 200+ h.p. Cat., dual wheels, low hrs. $13,500. w/warranty
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Automatic Roller Mill
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Artsway 500 Hammer Mill
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No-Till $10,900
Hesston 12' Disc $4,500

USED TRACTORS
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OMC 1000 Skid Loader
Hydra Mac 12 Skid Loader, Rebuilt
White 2-135, excellent
JD 4020
Hough 25B Loader w/52" Bucket
Case 1210
Farmall 350
Farmall C

USED HARVESTERS
Field Queen 7650 4WD 3 Row Head & Pickup
Fox 6200 w/3 Row Head
MF 260 2R & PU
Fox 3310
Fox 2000
Fox SPF Dsl.-Cheap
Fox 2R Snapper Head
Fox Max 1 SP, Cab, 4 Whl., Low Profile Head
NI 702 Uni Gas
NI 705 D., Uni $10,500
NI 767 Harvester
NI 741 Feeder House
NI 713 Flex Head
NI 727 Husking Bed
NI 729A Sheller

USED EQUIPMENT
JD 1440 No-Til
AC 6R No-Til
White 5400 6 Row, no-till
White 543, 4R, No-til
Glenco 27' Field Cultivator
Crustbuster 18' HD Sgl. Fold Disc
AC 2600, 18' Wing Disc
10' Bush Hog Disc
Glenco SS7 Stretch Frame, Like New
Hesston 5500 Rd. Baler
Hesston 4800 Big Square Baler
Hesston 12' Hydro Swing
NH 675 Tandem Spreader
NI 218 & 245 Tandem Spreaders
NI 213 & 212 Spreaders
Hesston 3-Row Narrow & 3 Row Wide Head
Hesston 4 Row Narrow
Fox 3-Row Belt Head
Fox 2 RN Chain Head
NH 462 Disc Mower
NH 479 Haybine
NI Wheel Rake
Fahr 17' Tedder
Brady, IH 12' Flail Mowers
Hesston 30 Stack Mover
Smoker bin wagon
NH #8 Wagon 3 Beater & Roof
8HP Bedding Chopper
18.4R 38
20.8R 38
Radial Takeoff Tires

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Plugston Implement Inc.

Chambersburg, PA 17201

NEW JOHN DEERE
JD 4250, PS, SG, MFWD
JD 4250, PS, SG
JD 2350 MFWD
JD 1450
JD 3950 Fg. Harv.
JD 327, 337 & 347 Balers
JD 530, 430 & 330 Rd. Balers
JD 7000 4 & 6R Consv. Planter
JD 215 Disc
JD 8300 18x7 Drill
JD 716A Fg. Wagon

USED JOHN DEERE
JD 3020 Low Profile
JD 3010 Tractor
JD 2940
JD 2940 w/MFWD & 260 Loader
JD 1530
JD MT w/cultivators & plow
JD 300 Husker w/2 Heads
JD 830 Mower Conditioner
JD 1326 Mower Conditioner
JD 2RN & 2 RW C.H.
JD 336 Baler
JD Transport Disc
JD 216 Fg. Wagon

NEW NEW HOLLAND
NH 326 & 311 Balers
NH 849 Rd. Baler
NH 489 & 499 Haybines
NH 555 Skid Steer Loader
NH 900 Fg. Harvester
NH 302 & 307 Spreaders

USED NEW HOLLAND
NH 495 Mower Conditioner
NH 1495 SP Haybine
NH 479 Haybine
NH 2R Snapper Head for Fg. Harv.
NH 258 Rake
NH 26 Blower
NH 329 & 518 Spreaders

OTHER NEW ITEMS
Kuhn Hay Tedders & Rakes
Kuhn 10' Disc Mower
Bobcat 743 & 843
H&S 295 Spreaders
Demco Sprayer 600 gal.

OTHER USED ITEMS
Hawk Built Tandem Tank Spreader
NI 208, 214 & 217 Manure Spreaders
White S400 6RN w/no-till
IH 1190 Mower Conditioner
Hesston 1014 & 1090 Mower Conditioners
Owatonna 235 12' Swing Tongue Mower Conditioner
Ford 530 Baler w/Thrower
Fox 3000 Harv. w/Heads
Case 1845 Dsl. Skid Loader
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NEW HOLLAND
bobcat

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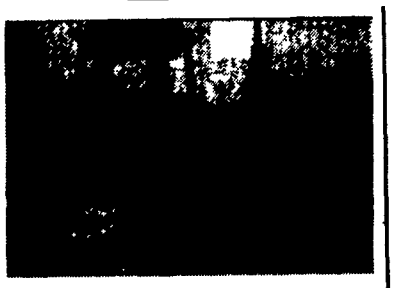

JD 4430
Cab, QR, Dual Hyd., High Back Seat, Duals, Sharp
$12,900

JD 2510
Diesel, WFE, New Rubber, Solid
$4,900

OTHER TRACTORS

JD 3020 Diesel WFE, Powershift $5,500
JD 1020 Diesel, Utility $4,500
JD 4000 Diesel, Side Console 72 Model $7,500
JD 4230 QR 4-Post, Nice. $8,900

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Complete TA assemblies for 706-1586 are priced at $595 and come with a Dana Co Heavy Duty Sprag instead of the usual IH sprag **The Dana sprag is guaranteed for 2 years against failure.** Sprag kits (includes sprag gear, Dana sprag, and piston carrier) and all items for rebuilding your own TA are available to qualified persons Ramps and carriers for the older style TA's (as in SMTA, 340, 560) are priced at $150 each and carry a 90 day guarantee We have all the parts needed to rebuild your TA in stock at prices that will save you money. We also have a shop available for complete TA installation Or, you may split your own tractor and bring the center housing to us, which we can rebuild while you wait (approx 4-6 hrs.) We also stock New and Rebuilt Water Pumps, Dynlife Clutches, Pressure Plates, and PTO Drive Gears, (Spline-fit into pressure plates) for most IH tractors and combines

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Sat. 7 AM - 12 PM	Sat. 7 AM - 4 PM

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86
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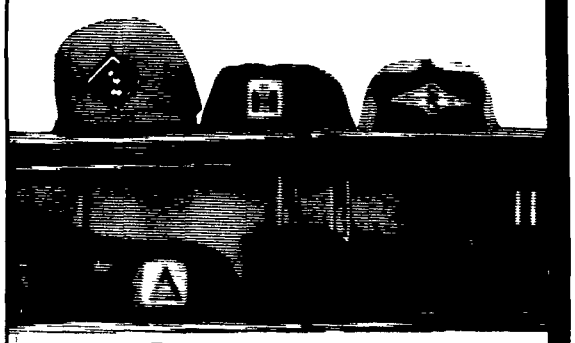
FARMING FRONTIERS



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NEW HOLLAND EQUIPMENT OWNERS:
Watch For Our SPECIAL JAN. 25th INSERT In Lancaster Farming!

Just Received
NI Toy Uni
Systems

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Hesston 9090 DT 4WD Tractor w/Cab
Hesston 7066 DT 4WD Tractor
NI 803A Uni Tractor w/868 Harvester
Gehl 760, 1060, 1260 Forage Harvesters
Hedlund Martin 1678 Tandem Spreader, Available for Rent
NI 363 & 364 Manure Spreaders
Gehl 4610 Dsl. Skid Loader
Glencoe SSS-7, 7 Shank Soil Saver-Demo
Glencoe SSS-9 Soil Saver
Century 500 gal. 35' Boom Field Sprayers w/Centrifugal Pump
Brillion 12' & 13'4" Packers
Bervac 8' 3 pt. Snow Blower, Demo
M&W RV 300, 3 pt. Hay Tedder
Southeast BC150, 3 pt. Bale Carriers
Hesston 6555 SP Windrower, 14' Head

USED EQUIPMENT

NH S676 Tandem Manure Spreader
NH 679 Tandem Manure Spreader
NH 851 Round Baler
JD 6000, 1,000RPM Forage Blower
NH 495, 12' Windrower
NI 706 Dsl. Uni w/717 Combine, 713 Grain Platform
NH 300 Grinder Mixer
Wic 7HP Straw Chopper
Dion 3 Beater Forage Box w/Roof
NH #8, 3 Beater Forage Box w/Roof
Kasten 3 Beater Forage Box w/Roof

Clay 20" Barn Fan w/Hood
Regularly $295
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While Supply Lasts

Hesston BP20 Round Bale Processor
Ready to give Demo

Umberger's Of Fontana, Inc.
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Peach Bottom, Pa.
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Vicon Vermeer

NEW VERMEER EQUIPMENT

(1) 605J Auto. Weave (Deluxe)
(1) Hydraulic Drive Rock Picker
(1) 10' No-Til Grain Drill (Rental)
(1) 23' Twin Rake (Demo)
(3) 4-Basket Tedder Rakes

NEW VICON EQUIPMENT

(3) KM 321 Mower Conditioners 10' 6"
(1) KM 281 Mower Conditioner 9' 5"
(1) KM 240 Mower Conditioner 7' 10"
(4) Vicon Square Balers
(2) Single 4 wheel Rakes
(12) 100-500 gal. Sprayers w/elec. & manual controls & ground drive pumps
(3) 3 pt. Disk Mowers
(3) 1210 Round Balers
(1) 8-Wheel V-Rake
(1) 6-Basket Tedder, 20 Ft.
(20) Fertilizer Spreaders
(2) 4-Basket Tedders

USED EQUIPMENT

(1) Vermeer 605F Balers, $6,250
(1) Vermeer 605E, $3,400
(1) Vermeer 504G, $6,500
(1) Vermeer 6050 Baler
(2) CM 240 Disc Mowers (Demo)
(1) Vermeer 403F Baler, $5,200
(1) IH 225 Swather, Self Propelled
(1) 9 ft. NI Cutditioner

Special — 2 Used Tye No-Till Drills, 80 inch, 3 pt Hitch $2,200 ea.

N6 COMBINE w/6 ROW HEAD & GRAIN HEAD
ALL 1985 UPDATING KITS ON IT

TRACTORS

AC 7030	AC 7010D	AC XT190D	IH 806
AC 7060	AC 200	AC 180D	JD 2010
AC 7040D	AC 210	AC D19D	MF 65G
AC 7045D	Oliver Super 77	AC D14	Case 1490
AC 7050D	AC 655 Crawler	AC 5050D	JD 450 Crawler
AC 7020D	AC 7000D	AC 5040D	Oliver 1650D

329 Super Sheller Unit for New Idea Picker

USED COMBINES (LIKE NEW)
A.C. Models: G-C-N-L-F
These Combines are in Excellent Condition

NI 708 UNI-SYSTEM, HYDRO DRIVE w/717 COMBINE, CORNHEAD & GRAINHEAD

NI 702 UNI-HARVESTER w/2 Row Sheller

USED FORAGE HARVESTORS: GEHL, I.H., N.H.

bobcat

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Quarryville, Pa.
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Biggest Vicon and Hesston Dealer in Central Pa. Check with Don Erdley Farm Supply for **super prices.** Shop 717-524-2410 Night 524-2408 Free 3 pt. Bale Mover with any New Hesston or Vicon Round Baler. 3 Pt. Hyd. Round Bale Unroller. Used Hesston Round Bale Processor.

Fifth Wheel Trailer Does It All Hydraulically

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1. Picks Up Bales
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4. Converts To A Flat-Bed Trailer
5. Hauls Your Livestock

4 Used Forage Boxes ..... $375 to $875
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5 Used N.H. and Hesston Haybines ..... $650 to $3,200
18 New and Used Vicon Fertilizer Spreaders and Sprayers
MF 165 Diesel Low Wheeler's and Low Hrs.
JD 410 Round Baler Hyd. Tie Excellent $5,000
MF 750 Diesel Hydro Cutter Bar and 6 Row Corn Head $18,000
25% Off New Brillion 7 Shank Disc Chisel Plow Also 16 Ft. Brillion Harrow $1,375
New Woods 3 Pt. Model 750 Backhoe $3,300
H & S 295 Bu. Manure Spreader, New $5,000
H & S 220 Bu. Manure Spreader, New $3,600

Free Hesston or Vicon Belt Buckle with Any Purchase Listed

Don Erdley Farm Supply
RD 1 Lewisburg, PA
Shop 717-524-2410 Night 524-2408

NEW IDEA

C.J. WONSIDLER BROS.

KHD DEUTZ ALLIS

NEW HOLLAND

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Rts 309 & 100
New Tripoli, PA
(215) 767-7611
Mon -Fri 7 30 A.M. - 5:00 P.M
Sat 7 30 A.M - 12.30 P M

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Quakertown, PA
(215) 536-1935 or 536-7523
Mon -Fri. 7:30 A.M. - 9:00 P.M.
Sat 7:30 A.M. - 4:00 P M.

BRANCH
Lobachsville, Oley, PA
(215) 987-6221 or 987-6257
Mon -Fri 7 30 A M - 5 00 P M
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BUY EARLY AND SAVE

ON TRACTORS, COMBINES, and IMPLEMENTS

Low prices....Low finance...TPD Waiver
*(**Applies to Tractors and Combines only)*

Sale on until JANUARY 31, 1985.

COMBINES

Gleaner N5 Rotary w/cab, air/heat, 15' grain & 630 corn heads.
1978 Gleaner M2 w/cab, air, 15' grain & 438 C.H.
Gleaner F2 Diesel w/cab 13' grain & 438 corn heads.
Gleaner FKS w/cab, 13' grain & 438 corn heads.
Gleaner KKS w/cab, 10' grain & 238 corn heads, EXCELLENT!
Gleaner CII w/12' grain & 438 corn heads.
Gleaner E w/cab, 10' grain & 238 corn heads
JD 45 w/both heads
IH 315 w/cab, grain & corn heads
IH 93 w/10' grain head
NI Uni-System 702 w/717 combine, 4-row corn head

MISC

(2) Weaverline 330 Silage Cart, 30 BU. w/automatic charger, EXCELLENT!
(2) Weaverline 224 Silage Cart, 30 BU w/automatic charger, Rebuilt!
Behlen Grain Dryer w/engine

TILLAGE

AC 4B 3 pt. Plow
AC 3B 3 pt. Plow
JD 2600 5B Automatic Adj. Plow w/spring reset, like new!
JD 13' Transport Disc
JD 10' Transport Disc
Oliver 6B semi-mt. Plow
MF 520 10' Disc, like new!
Pittsburgh 13' Transport Disc
AC 9' Transport Disc
Kewanee 10' Mulcher
Brady 630 Shredder

MANURE SPREADERS

(2) NI 214, Liq. pan, 210 BU, Excellent!
Farmall 550, Hyd Endgate, 200 BU.
(2) NI 218, Liq pan, 300 BU
NH 519, 200 bu w/Hyd End Gate-A1
NH 513, 165 bu -nice
NH 510, 3 beater, 165 BU.
NH 676, Hyd Endgate, 320 BU
FarmHand w/Hyd Endgate, 125 BU

TRACTORS

JD 2750 D, w/40 hrs , like new!
JD 2630 D, Excellent!
JD 3010 D
JD 3010 Gas
JD 720 Gas w/3 pt
JD 630 w/wide front end
(2) JD 60 Gas
AC 190XT D w/cab
AC 185 D
AC 180 D
AC D19 D
AC D17 D
(2) AC WD Gas
AC CA
Farmall 460 D
Farmall 400
Farmall H w/loader
Farmall A w/1-B Plow & 1-row cultivator
MF 180 D w/loader
MF 50 Gas w/loader
Oliver 1855 D wide front end, Excellent!
Oliver 500 D w/3 pt

USED EQUIPMENT

TRACTORS

*4066 IH 1066
5927 IH 966
5926 IH 1256
*5835 IH 986
*5739 IH 1066
*5731 IH 656
5793 Deutz DX 160
3335 JD 8630
*5784 JD 4630 w/Cab, Duals
5700 NH 778 Skid Steer Loader

COMBINES

*4074 MF 750
*4058 AC N6
*4090 NH 1500
*3866 NH 1400
*3057 JD 7700 w/Chopper
*3058 JD 7700 w/Chopper
*5447 IH 1480
*3784 IH 1440
3775 IH 1460
*3882 IH 915
*3983 IH 915

TILLAGE

6103 Sunflower HB Chisel Plow 27'
5277 IH 55 Chisel Plow
*4093 IH 710 Plow, 7x16
*3840 IH 560 Plow
*3841 IH 540 Plow
5868 IH 370 Disc 12'
3799 IH 470 Disc 14'
3805 Brillion 21' Crowfoot Packer
5615 Brillion SC-01 Filed Cultivator, 20'
3607 Brillion 32'8" Crawfoot Packer
3661 Brillion Field Cultivator, 29 shanks
4099 Krause 1966 Disc 31'
5054 Krause 2143 Disc 42'
5457 Krause 2413 Disc 23'
5578 Krause 3 Bar Harrow
5561 JD 210 Disc 13'
3453 JD 5 Bot. Plow
5419 JD 22 Shank Chisel Plow
6247 J.D. 310 Disc
5121 Dunham Lehr 29' Crowfoot Packer
5534 Glencoe Soil Finisher, 20'
3301 Wilrich Field Cultivator, 37'
4092 Miller 20' Offset Disc

MOWERS

5577 Rhino 20' Flex Wing Mower
5702 NH 462 Disc Mower

MISC. EQUIPMENT

4031 NI 212 Manure Spreader
3861 IH 1250 Grinder Mixer
5487 NH 280 Baler
3561 NH 495 Haybine
3111 Agrotec 400 Gal 30 Sprayer
3818 NH519 Manure Spreader
3837 NI 245 Manure Spreader
3900 John Blue 1000 Gal Sprayer

PLANTING EQUIPMENT

3285 Tye No-Till Drill, 20
5713 IH 510 Drill
2763 IH 620 Tandem Full Press Drill
5786 IH 510 Drill
5765 JD 246B Drill

GOOD SELECTION OF CORNHEADS AND PLATFORMS

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MIDDLETOWN, DE

SPERRY NEW HOLLAND
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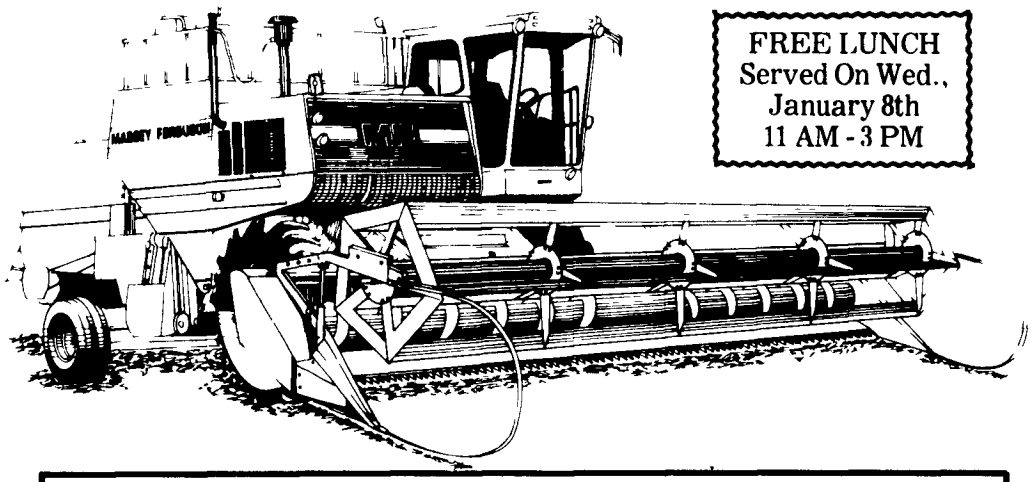
case IH

OPEN HOUSE
SUPER SALE DAYS

January 6, 7, 8, 9 — **8 AM - 5 PM**



FREE LUNCH
Served On Wed.,
January 8th
11 AM - 3 PM

10% DISCOUNT
On All Parts & Accessories In Stock Or Ordered

20% DISCOUNT
On Selected Items

Cash Only — *MF Products Only*

- **SPECIAL LOW RATE FINANCING OR WAIVERS** On Selected New & Used MF Machinery.
- **LABOR DISCOUNTS** On Preventive Service Appointments Made During Sale Days.

DOOR PRIZES, MOVIES AND MUCH, MUCH MORE!!!

This Is An Across-The-Board MF Products Sale, So Come And Save And Eat And Enjoy!!!

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GUS FARM EQUIPMENT, INC.
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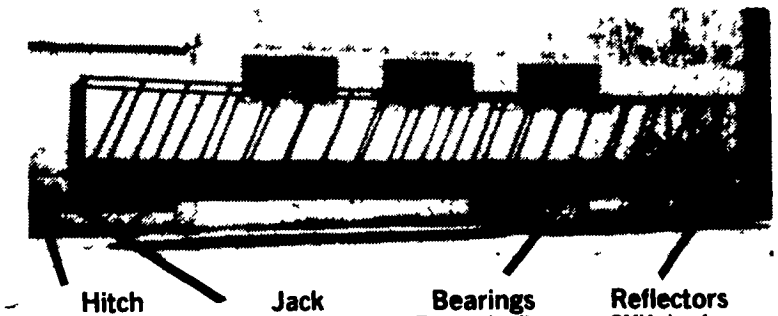
(717) 428-1967

Visa - Mastercard - Pace Plan - American Express - Choice - Cash or Check

ALL PURPOSE FEED TRAILER All Metal Construction



Hitch — Slide away hitch to prevent cattle from injury

Jack — Fold up bulldog for easy hookups

Bearings — Tapered roller bearings for long lasting & easy towing

Reflectors — SMV sign for safe towing on highways

- Length 24' & 30' + hitch
- Cattle can eat out of all 4 sides
- For feeding in pasture or barnyard
- Suitable for feeding cows, heifers, steers etc.
- Ideal for feeding from bulk silo or Ag Bag
- Easy to tow behind pickup or tractor.

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30'–$825

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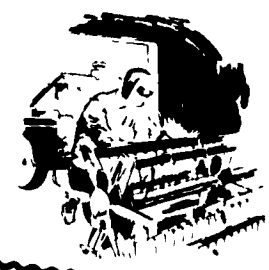
Service Special!
Limited Time Only...
Call Now!



10% DISCOUNT ON PARTS
From Our Parts Dept.
Used For Repairs

10% DISCOUNT ON SHOP LABOR

Discount applies if:
1. Invoice is paid within 10 days of billing
2. Bill must total at least $100
3. The work must be performed in our shop

TRACTORS

CASE 400, 50 Hp.	$ 1,800
CASE 1190, 200 Hours	$ 8,500
CASE 1212 w/Power Shift	$ 7,900
CASE 1410 w/Loader	$10,200
IH 656 w/Loader	$ 7,000
IH 656 Diesel	$ 7,000
IH 1468 w/Cab	$ 9,900
JOHN DEERE 4020	$ 9,800
JD 70, Excellent Condition	$ 3,200

HARVESTERS

Gehl CB600 w/2 Row Head & Pickup	$ 2,500
Gehl CB600 w/2 Row Head & Pickup	$ 2,000
Gehl CB600 w/2 Row, 3 Row & Pickup	$ 3,250
MF 260, 2 Row, 1000 PTO	$ 1,800
JD 35, 1 Row, 2 Row & Pickup	$ 1,995
Hesston 7655 Side Dump, Like New	$48,200
NI Super Sheller, Extra Narrow Row	$ 5,400
IH 205 Combine, 13' Head, 3 Row Narrow	$ 5,000

SKID STEER LOADERS & BACKHOES

Case 1737	$4,500
Case 1537	$3,000
Case 580C Backhoe Loader w/Cab	$19,500
Case 580C Backhoe Loader w/ROPS	$17,500
Case 580C Backhoe Loader w/Cab	$18,000
Int 260 Industrial Loader, Hydrastatic Drive	$10,500

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Badger

Five Plus good reasons to replace with Badger

1 Frame of high strength angle iron

2 Two powerful models

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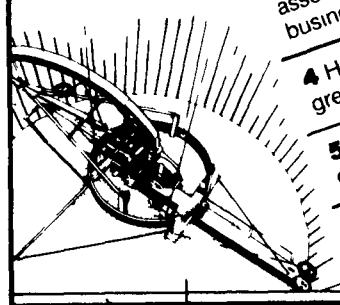
4 High-in-the-dome suspension for greater silo capacity

5 Rugged 10-inch auger with double fliting on outer end

PLUS we'll guarantee you the best service in town



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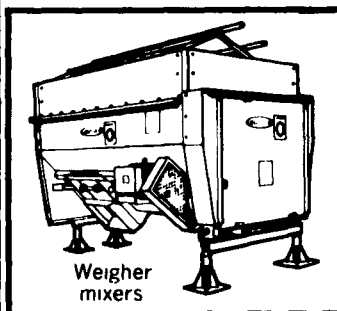
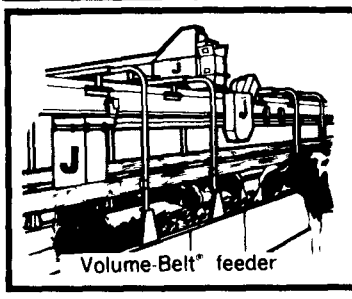


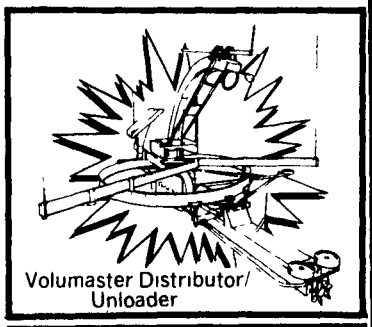
Weigher mixers



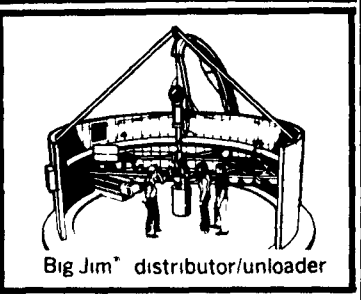
Volume-Belt® feeder

IN STOCK

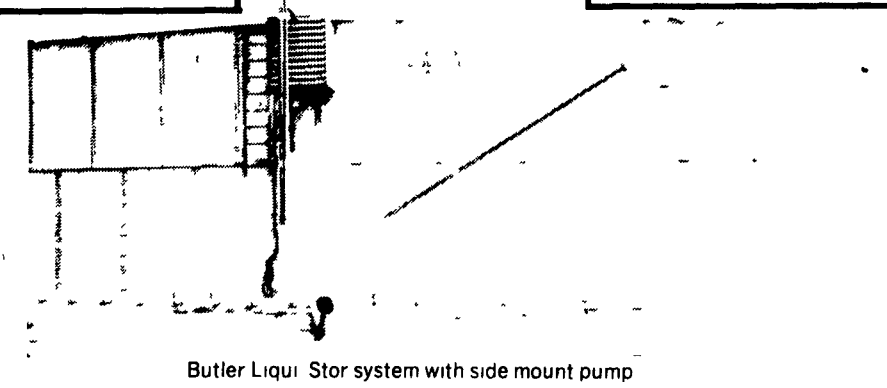
New Butler 115 Stationary Mixer
New Butler 180 Stationary Mixer
2800 Gal. Liquid Manure Speader w/Injectors
Used 1830 and 280 Oswalt Mixer
Rental 28 ft. Trail Pump



Volumaster Distributor/ Unloader



Big Jim® distributor/unloader



Butler Liqui Stor system with side mount pump

DEPENDABLE IS MORE THAN OUR NAME

Ag-Industrial Equip. Co.

DEUTZ-ALLIS
KUBOTA Nothing like it on earth™
JCB
Brillion NEW HOLLAND

10% Discount on Parts & Labor for Baler Reconditioning until Mar. 15, 1986

TRACTORS
JD 2240 w/Loader
AC D17
Ac D14
AC 170
(2) AC 190XT
AC 7000, PS, ROPS
AC 7020
AC 7040
AC 7060
AC 7080
AC 210
Kubota B7100 HSE w/RC6000 Mower
Kubota L245 w/Mid Mount Mower
IH 986

LOADERS & FORKLIFTS
NH 425 Skid
(2) AC Model 50LPS
AC Model 50
AC Model C40X
AC 715 Backhoe
(2) NH L445
AC 540
JD 170
IH 4130 Skid

MOWER CONDITIONERS
Hesston PT 10
NH 479
NH 1495 D w/12' Head
NH 1495 Plan.
NH 1469 SP 9'
(3) NH 489
NH 488
NH 490
NH 495
NH 1495 SP, 12' Hyd., C/A

PLOWS
AC 5 Bottom 18"
IH 4 Bot. mounted

FORAGE EQUIPMENT
IH 830 w/2RN
NH 919 N4
NH 892 w/822 & 880 WPU
NH 890 W
Gehl Flail
NH 770R2
NH 890N3
NH 1890 Hydro C/A w/2 Heads, w/550 hrs.
NH 38 Chopper
NH 880 R2 Head
(4) NH 822 Corn Head
(2) NH 28 Blowers

COMBINES
NH 995 with Grain and Corn Head
NH TR70 w/960 and 962W4
Gleaner E w/3 Heads
AC C II w/2 Heads
AC FKS2 w/430 Corn Head and 313 Flex Head
AC G440 Corn Head

SPREADERS
NH 520 w/End Gate
NI 244 w/End Gate
NH 791
NH 519
NH 346
NH 329

WAGONS
NH 1003 Bale
Running Gear
Grove Fg.
(2) Dion Fg. Wagons

PLANTERS
AC 7R Bean
(2) AC 600 4R no-till
AC 600 6R no-till

Replace your worn heads w/2, 3, or 4 Row Heads. New & used available. Fit 770, 782, 880, 890, 1890, & 1895.

MISCELLANEOUS
Brillion STS 10 Trans. Harrow
Brillion 10' Pulvimulcher
NH 85 Bale Handler
NH 80 Bale Mover
1979 Ford Dump Truck
Buster Bar for Disc
Hub 48' Elevator
Gleancoe 7 Shank Soil Saver
Gehl 95 Grinder Mixer

LAWN & GARDEN
Simplicity w/Attach.
AC 916 w/Mower
AC 712H w/42" Mower
AC 410
AC B10
AC Big 10
AC 720 5' Cut

BALERS
NH 851 Auto Wrap
(3) NH 273 w/54A Thrower
NH 326 w/¼ Bale Chute
NH 320 w/58 Thrower
NH 320 w/70 Thrower
NH 31 SOLD hute
IH 440
JD 466 Wire

MOWERS
Bush Hog Batwing
Ford 906 Rotary
Woods RM 48
(2) NH 451
(3) 462 Disc
NH 463 Disc
Vicon Disc

RAKES
NH 256
(4) NH 258
(3) NH 260
(3) V-Tandem Hitch Ford
NH 158 Tedder
Niemyer Tedder

Call Ed Greenleaf, Sam Siple
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Service Call Terry Greenleaf
1207 Telegraph Road, Rt 273 Rising Sun, Md
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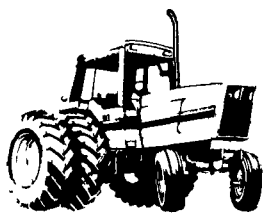
Immediate Financing
Hours Mon thru Fri 8 to 6 Sat 8 to 3
CLOSED SUNDAY

HERR & LEAMAN

Used Farm Equipment Sales & Service
10 miles S. of Lancaster along Rt. 222



QUALITY TRACTORS AND EQUIPMENT/REASONABLY PRICED/SERVICED & BACKED WITH A 100% WARRANTY ON ENGINE AND DRIVE TRAIN ON TRACTORS PRICED OVER $2,000/WILL DELIVER ANYWHERE

TRACTORS

1981 JD 4840, 1180 hrs., fact. cab & air, 20.8x38 radials
1981 JD 4240, 1702 hrs., fact. cab & air
1979 JD 4240, fact. cab & air
JD 4430, powershift, fact. cab & air, very nice
JD 4430, no cab, syncro range, clean tractor
JD 4230 fact. cab & air, very nice
JD 4230 w/fact. cab & air, quad range
JD 4030, 4 post, QR
2 JD 4020 Diesel, dual hyd., WF, side console
JD 2940, 605 hrs., like new
JD 2940, 1980 model, fully equipped very nice
81 model JD 2640 SOLD tyle w/cab w/reverser
JD 2640 w/Hi-Lo, dual hyd. with JD 146 loader
JD 2440 38" rubber, canapy, dual hyd. 1300 orig. hrs., very nice
JD 3020, Dsl. side console, WF, nice
JD 3020 D, PS, WF, dual hyd, recent engine overhaul
JD 2510 Gas
IH 1086, fact. cab & air, red cloth seat tractor
IH 1086, fact. cab & air, radial tires
IH 1466 Fact. cab, dual PTO & hyd.
IH 1466 Fender Tractor
IH 966 3 pt. WF
IH 1456 w/cab
IH 1456 fender tractor
IH 1256 w/complete engine overhaul
IH 1206 w/new T.A. & cab
IH 1206 No TA, 3100 orig. hrs. Adjustable WF 3 pt. dual hyd.
IH 826, WF, 3pt, 38" rubber, turbo
IH 806 Dsl. cab & air, 18.4x38 radials w/56 Series shift, very nice.
IH 856 Dsl. WF, fast hitch new TA
IH 756 Dsl. 3 pt. WF, very nice
IH 666 Dsl. gear drive, WF, dual hyd
IH 666 Dsl. Hydro w/cab & air, one owner
IH 784 Diesel, row crop, dual PTO, 38" rubber, low hours
IH 706 Diesel, clean tractor
IH 656 Diesel fast hitch WF, dual hyd
Farmall 460 C SOLD t hitch, nice
Farmall 240 gas utility

HARVESTING EQUIPMENT

K Gleaner w/10' Floating cutter bar. Local 1-owner
(1) NI 705 GMC V6 diesel cab, variable speed
NI 701 Inline 6 cyl., gas, variable speed, cab
NI 717 Combine 80 model, elect. auger control, spreader or chopper
NI 713 Grain Head
(2) NI 737 Huskers
NI 741 Quicktach Throat
NI 740 QuickTach Throat
NI 768 3R WN Chopperhead
NI 725 3RN corn head w/stripper bars
NI 767 Super Chopper w/electric knife sharpener
(2) NI 729A shellers
JD 443 4R Narrow Corn Head very good condition

IMPLEMENTS

Taylorway 10 tooth chisel plow 3 pt. mounted
Athens 10 tooth chisel plow 3 pt. mounted
IH 55 pull type chisel
JD 10' & 14' Disc's
IH 470 Wing Fold Disc 16'
IH 5x16 Plow
JD 220 Disc, 21' very good cond.

MISCELLANEOUS

Dual wheels - 34's and 38's
Year round Cabs to fit IH 544 to 686, like new
3 Cabs to fit 06 series thru 66 series IH tractors
Tractor Weights JD & IH

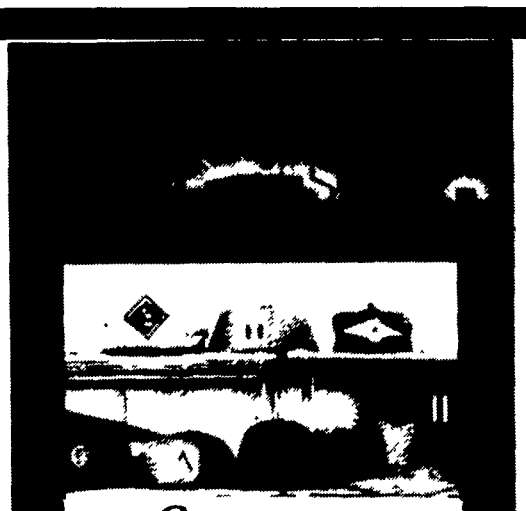
Dismantling For Parts

JD Factory WF's for 10 & 20 Series tractors
Used Dual PTO's for IH tractors
NI 702 D
NI 727 Husking bed
IH 706 Gas Tractor

Box 91 New Providence, PA 17560
Business Ph. 717-786-1606
717/464-5960 Evenings

JOHN DEERE DESIGN, DEPENDABILITY AND DEALERS MAKE THE DIFFERENCE

CHECK THESE SPECIALS — CALL RIGHT AFTER 7 A.M. FOR INFORMATION & PRICE



CAPS OF ALL COLORS ARE WELCOME AT OUR JOHN DEERE '86 FARMING FRONTIERS

No matter what color your cap or machinery you're invited to our John Deere Farming Frontiers Program Not only will we show you what s new in machinery from John Deere for '86 and present educational farm topics, we will offer some food and express our dealership's willingness to serve you John Deere Farming Frontiers is unlike any other event, come and let us show you why!

LEADERSHIP YOU CAN COUNT ON

Monday, January 20 at Farm & Home Center Lancaster

A DIRECT PHONE LINE TO OUR PARTS DEPARTMENT

1-800-524-3276
(1-800-LBI-FARM)

—SERVING PENNSYLVANIA CUSTOMERS—

SPECIAL SAVINGS ON NEW JOHN DEERE TILLAGE EQUIPMENT IN STOCK

1000 Plow, 2B, 3-pt
1600 Plow, 3B 3-pt, spring reset
1600 Plow, 4B, 3-pt, spring reset
2800 Plow, 5B, semi mtd spring reset
710 8'-9" Mulchtiller
712 11'-3" Mulchtiller
940 13' "S" Tine Cultivator, P-T
1010 9½' Field Cultivator, 3-pt
1010 18½' Field Cultivator, P-T
115 11' 5" Disk Harrow
215 12' 10" Disk Harrow w/cushion gang
235 18' 6" Disk Harrow, Dura Cushion, Center Fold
235 22' 9" Disk Harrow, Dura Cushion, Wing Fold

JDFP FINANCE TERMS: APPROVED CREDIT

Used Utility & Row Crop Tractors
Waiver To March 1, 1986

Used Hay & Forage Equipment
Waiver to Sept. 1, 1986

Used Combines
Small Grain-**Waiver to June 1, 1986**
Corn & Soybean-**Waiver to Sept. 1986**

Used Corn Planters-
Waiver to April 1, 1986

JOHN DEERE GREEN LIGHT SERVICE TAKES THE WORRY OUT OF BEING BUSY...

Especially when the weather doesn t cooperate That s when the season seems shorter you get busier and equipment downtime costs more

But when you take advantage of our Green Light Service especially the off-season specials like the one we re having right now you can roll into the field and not worry so much about unexpected downtime Because we will have inspected for the unexpected And troubleshooting in the shop is a whole lot more affordable than finding trouble in the field Especially when you re busy

So call us today and check out our Green Light Service Specials Then you won t have to worry about it later when things get busy

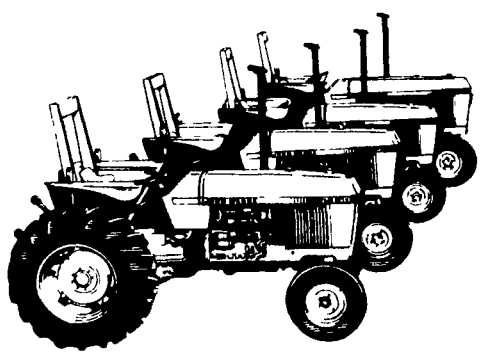
WINTER REPAIR SPECIAL
FREE ENGINE OIL CHANGE
WITH TRACTOR REPAIR WORK
$100 MINIMUM

10% OFF

On all John Deere Service Work On Farm Tractors and Farm Machinery - No Minimum - Thru March 1, 1986

DISCOUNT APPLIES TO ALL SERVICE WORK DONE IN OUR SHOP INCLUDING HAULING, LABOR, AND JOHN DEERE PARTS USED PERFORMING THE JOB.
◄ FIELD SERVICE EXCLUDED ►
By Appointment Only
Sorry we cannot offer discounts on credit sales
Repair Financing Available Thru JDFP
Credit Approval Required
Phone 717/291-1046

STANDARDIZED ALL-PURPOSE TRACTORS COST YOU LESS

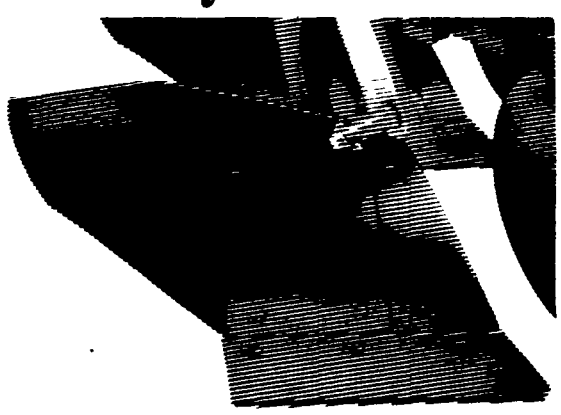


- If you're considering a 55- to 85-hp* all-purpose tractor, give John Deere a close look. . . especially on price. Because all the models listed here offer a 5 to 9 percent price advantage compared to the same models with deluxe options.
- Take your choice from an all-purpose 55-hp 2350, 65-hp 2550, 75-hp 2750 or an 85-hp 2950.

*Horsepower measured at the PTO at 2500 rpm in factory tests.

LEADERSHIP YOU CAN COUNT ON

Lower your plowing costs by 31%



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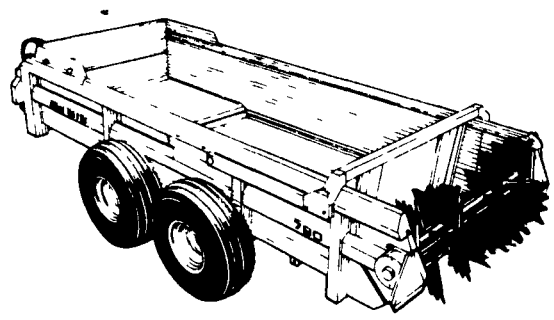
JD Reduced List	6%
*LBI CASH DISC	25%
You Save Over 85 Prices	31%

*This discount applies to shares, shins, landslides & mold boards; purchased & paid for the week of Jan. 20th, 1986. Call us today or see next weeks issue of Lancaster Farming for more details. You'll get quality, dependability, service, and longer wear life—performance you'd expect from the company that invented the first successful steel plow.

BIGGER HYD. SPREADER



John Deere 780 Hydra-Push™ Spreader holds 370 bushels. Unloads with amazing speed.

The 780 brings 60 percent more capacity to our Hydra-Push spreader line These are the spreaders with the unique hydraulic unloading system A moving panel and floor hydraulically move manure to the beaters

Since there is no manure "tail-back", there's no time-consuming cleanout stage And each pass of the moving panel and floor wipes the spreader doing away with most cleaning

Fewer moving parts and no apron chain mean less maintenance Spreader sides and floor are bonded with smooth, corrosion-proof material Stop in for more info

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Chevrolet Small Block Engine Rebuilt Kits, Rings, Rod Bearings and Main Bearings With Full Gasket Set $89 90 Cam Kit, Cam Lifters & Bearings $99 95
Other Kits Available At Comparable Prices
Perfect Circle, M&W TRW, and Sealed Power Tractor Industrial Kits Available
Full Engine Machine Shop Service and Rebuilding Available

USED TRACTORS

JD 4630 cab & air
JD 4630 w/4 post roll guard
JD 4520 w/cab & loader
JD 4430, cab, air, quad range
JD 4230 Power Shift
JD 2510
JD 2640 w/loader, like new
JD 2940, excellent cond.
1977 JD 4430 w/cab & air power shift
JD 4320, cab & air
JD 2510 Gas
JD 820 Diesel
JD 4010
JD 4020 w/cab
JD 4020 side console
JD 3020 Diesel
IH 1086 cab & air
Int. 986 cab & air
IH 966
IH 574, like new
IH 806
IH 766 w/cab
IH 656 utility w/loader
IH 666 gas
IH 364 w/power steering
IH 84 hydro, 500 hrs.
Farmall Cub w/new Woods mower
Ford 5000 w/loader
Ford 3400 w/Loader
Ford 3000 w/loader
Ford 335 w/loader
Ford 1700, 200 hrs.
AC 210 diesel
AC 170
AC 185, sharp
AC 200, like new
MF 205, 4WD
MF 20 w/loader
David Brown 1200
Satoh 4WD w/loader, used 200 hrs.
Kubota L305F diesel w/front wheel drive, like new

Gehl 2600 skid steer loader, low hrs.

USED PLOWS

Int. 5 btm. 18" spring reset plow
White 5 btm. 18" spring reset plow
Int. 6 btm. Toggel trip high clearance plow
Large selection of 3 to 7 btm. plows

GRINDERS & MIXERS

Gehl 120
Gehl 95
IH 1150 $1,450.

USED COMBINES

444 JD corn heads
443 & 643 corn heads
JD 3300 combine
1975 JD 4400 diesel
Large selection of JD 2, 3, 4 & 6 row corn heads
JD 4400 gas, rotary screen

USED PLANTERS

JD 7000 4 row Dry fertilizer
JD 7000 6 row no till
JD 7000 6 row conservation, liquid

Used Moore no-till grain drill

USED HARVESTERS

Fox 2 row snapper head
Fox Custom 90

Gehl flail head, excellent condition

HAY EQUIPMENT

NH 472 haybine, like new
NH 489 haybine
NH 495 haybine
Gehl 1090 haybine
NH 310 w/thrower
Gehl 1500 Round baler
NH 315 wire baler, nice
Large selection of hay rakes
M-C 7' rotary sythe, used on 100 acres
Large selection of used rakes
NH 275 baler w/kicker
NH 1010 Stacker Bale Wagon
NH 1033 Stacker Bale Wagon
NH 1034 Stacker Bale Wagon

NI 244 tandem spreader, like new

MISCELLANEOUS

Int. 510 grain drill
JD 30 ft. Implement Trailer
Large selection of smaller discs
Danco hydraulic rear unloading silage wagon on tandem running gear
Badger 16' Forage Wagon, 3 Beaters w/roof, tandem running gear
New Farmhand loaders for IH and JD tractors
NI 323 1 row picker
NI 2 row wide, 12 roll, $3,000.
Kewanee hydraulic fold 18' disc
1974 GMC w/new 16' grain body & hoist w/air brakes
1979 GMC Brigadier tandem w/20' flatbed, 6-71 Detroit diesel engine, excellent condition
Big V snow plow 12' wide

D & R EQUIPMENT INC.

Ringoes, New Jersey (201) 782-5082

Eckroth Bros. Farm Equipment

case ih

RD 2 Box 24A, New Ringgold, PA 17960
717-943-2131
7:30-5:30 Mon.-Fri. 7:30-4:00 Sat.

USED EQUIPMENT

USED COMBINES

Int. 1440 Combine
Int. 715 Diesel w/4 row narrow head, nice
MF 750 w/grain head
Int. 715, late model

1979 Int. 1460 rotary combine w/6 row corn head

USED TRACTORS

MF 1080 D
Int. 856
JD Model B w/Cultivators
IH Hydro 100 w/Cab
Farmall H
Int. 1066 w/Cab
Ir SOLD 36

USED EQUIPMENT

Int. 800-6 row Corn Planter
Int. 710 5 F Auto. Reset Plow
900 Badger Blower
NH #518 Manure Spreader
Ontario Hoe Drill
Int. 2350 Mo SOLD -matic Loader
13' 3 pt. Chisel Plow
NI 2 Row Wide, Pull Type Picker
Int. #40 Stalk Shredder

NEW GEHL EQUIPMENT

960 Forage Box w/roof
1540 Forage Blower
3510 Skid Loader

END OF SEASON SALE!

• Company Rebates • Dealer Discounts • Low Interest Financing
• 1985 Investment Credit

IN STOCK READY FOR DELIVERY

AC 8010, cab & air 107 hp; AC 6080 4WD, 84 hp; AC 6080 w/Cab, 84 hp; AC 6060 4WD, 64 hp; AC 6070, 70 hp; AC 6060 w/Cab, 64 hp; AC 5050 4WD, 52 hp; AC 5045, 44 hp; AC 6140, 40 hp; Kubota 7500 2 & 4 WD, 71 hp; Kubota 6950, 4WD, 66 hp; Also on the road soon to arrive 60 hp Deutz-Allis.

Come in & compare our prices per hp & our features. You'll be surprised at the savings on quality tractors. We have parts & we service what we sell. Trades welcome.

NEW ARRIVALS FOR SALVAGE YARD

MF 90 Gas; AC-CA; AC 160; IH 404; JD 3010, Dsl.

USED TRACTORS

AC 7040, cab & air, power shift. 7030, cab & air. 7010 Cab & Air, Powershift. 7010 Cab, PS, 7000, cab. 200, 190XT, cab. 190XT, 4WD. 6080, 6060, 4WD. 6060, with loader. 175, 160, D17, gas & diesel. D15-3 pt. B, CA.
JD 5020, cab & duals. 4440 Cab & Air, Very Good Cond. 4320, cab. 2 - 3020D. 2840 with loader. 2640.
IHC 756. 706D, cab. 684, 674, 544, Super MTA, H, 230, 140, 100, Super A, with equipment, Cubs
Ford 5000, 4000, 800, 600, 641 w/Hyd. Front End Loader, 8N's, 9N
Kubota 7500, 4WD Demo. 245
MF 175, 135

INDUSTRIAL

Tractor Loader Backhoes - MF 2200 Dsl., MF 2000, AC 715B, JD 310A, Case 580C, all with cabs except MF 2000
Yanmar 336
Crawlers with loader AC 655. JD backhoe attached from 450 crawler loader
JD 430 Crawler with blade. w/3 pt.
Tractors with Loader, 3 pt. hitch & PTO. IHC 2400A, 2444, Ford 515, 535, MF 40B, MF 205
Skid Steer Loader NH 445, 225, Bobcat 610 - gas. 611 - diesel
Log Skidders - 3, JD 440 series A & B. Pettibone w/loader attachment
AC 100+ HP Power unit with clutch, Ford 50 HP power unit
3, 6, & 12 ton Tag-a-long Trailers
AC 706B Fork Lift with 30' mast
Int. 3 Pt. Hitch Backhoe

LIQUID MANURE EQUIPMENT

4 Used Tank Type Spreaders
15 Used PTO, Ground Drive Conventional Spreaders
2000 gallon Vacuum Liquid Manure Spreader, excellent condition
Patz 3000 gallon Liquid tanker
Better Bilt 1500 gallon Liquid Tanker
Used Martin Scavenger 1263 Manure Spreader

HAY EQUIPMENT

Hesston Round Bale or Stack Processor, model 10, like new
Haybines - NH 477, 489, Hesston PT 7, PT 10, 1070, 1090. New Idea 299. NI 7' & 9' Cutditioners
Hay Tedders. Fahr, Kuhn, Neimeyer. Centipeed Tedders. Grimm PTO & Ground Drive, Reel Tedders
Used Side Rakes - NH 256, 56, 55. JD, New Idea
Balers with Thrower - NH 273, 275, 310, 315, IHC 440, JD 24T
Round Balers NH 850, 846 - like new, Hesston 5800

FORAGE EQUIPMENT

NH #8 2 Beater w/Roof, Like New
Direct Cut Head From NH 782, Like New
New McKee 3 pt. Hitch Corn Hog w/Hyd. Auger, Just $2,485
Large Selection Chisel Plows, 3 Pt. Hitch & Trailer Models, 7 to 13 Shank
Forage Harvesters NH 718, Super 717, 717. Hesston 7020, 2000-100, 2000-150
Large selection 1 & 2 row Heads, pickup heads - NH 890 - 3 row narrow head
NH 770 - 1 row snapper head
Used Forage Blowers, Gehl 99 - like new, Ford 618, NI 620, IHC 56 JD 6500 - like new
NI Corn Pickers - 4-323 1 row, 310-1 row only $1175, 325 - 2 row narrow
324 - 2 row wide, with husking bed or super sheller
Flail choppers 2 - NH 34, 1 like new, JD 16A like new
New Farmhand Regrinder Blower, 50% Discount

FORAGE BOXES

3 used AC, Gehl - 3 beater with roof, tandem gear. Lamco, Grove, New H & S, in stock

MISCELLANEOUS

Hesston Stack Hands #10 & 30 Stack Mowers
20 Misc. Hyd. front end loaders for various models & makes tractors. Call for your needs.
Used Hay & Grain elevators, 24' to 48'
Kiwanee 12' Cultimulcher
3 Farmhand Corn Blurr's For High Moisture Corn Priced From $595 to $1495
New & Used Double Ring Tractor Tire Chains

THIS WEEK'S SPECIAL!
AC 1400 Industrial Tractor Loader, 3 PTH, PTO, Good Cond.
Just Traded
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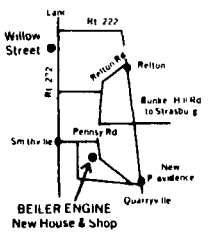

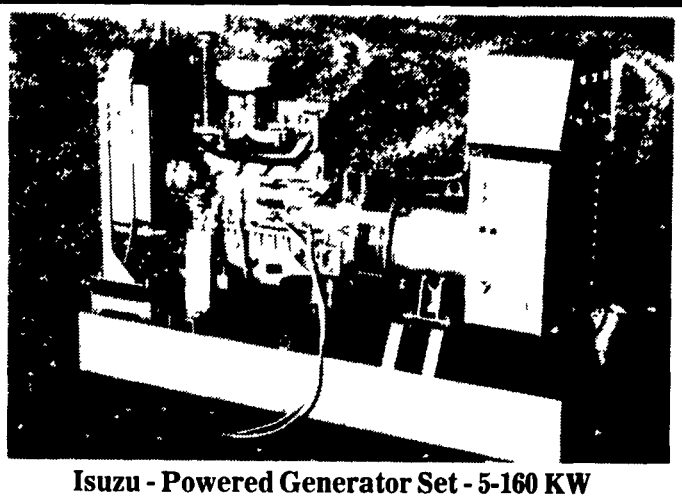

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QUALITY LATE MODEL FARM EQUIPMENT

TRACTORS

JD 4840 Cab & Air Power Shift, 1600 hrs., very nice
JD 4240 Dsl., Cab & Air, 1895 hrs., 18.4x38 Tires, very nice
JD 4230 Cab & Air, Quad Shift, 38" Rubber
JD 4630 Cab, Air, Quad, 1977 Model, very nice
JD 4430 SOLD Dsl., Cab, Air, Quad, 1977 Model 2200 hrs.
JD 4430 SOLD Dsl., Cab & Air, QR 1974
JD 4320 Dsl. w/cab, 3300 hrs., very nice
JD 4230 SOLD Dsl., Power Shift Cab & Air, 1977 Model
JD 4030 Dsl., WF, Sound Guard Body
JD 4030 G. SOLD Cab, WF
JD 4030 Dsl. Fender
JD 4020, WF, year Rd. cab, sharp
JD 3020 Dsl., WF, Side Console w/Roll Guard
JD 3020 Dsl., Power Shift, WF
JD 3020 Dsl. Tricycle w/3 pt.
JD 2520 SOLD Dsl, WF, low hrs., very good
JD 2440 Dsl., Independent PTO, SOLD Hydraulic
JD 2640 Dsl., Hi/Lo Independent PTO 38 & Rubber
JD 2630 Dsl., Independent PTO, Hi/Low, very nice
JD 2240 Dsl., nice
JD 2020 Dsl., Hi/Low
JD 1050 Dsl. 850 hrs., like new
JD 1650 (Demo)
JD 1020 Gas w/3 pt.
IH 1466 Cab & Air, 20x38 rubber, new TA
IH 1256 Cab & Air
IH 966 Dsl., WF, 2700 Hrs.
IH 966 Dsl. w/Cab, 1800 hrs., very good
IH 986 Cab & Air, 18x38 Rubber, 2100 Hrs.
IH 1086 Dsl. Cab & Air, 1600 hrs., very nice
IH 886 Dsl., Cab, Air, very nice
IH 886 Dsl., 4 Post Canopy, new TA, very nice
IH 856 Dsl., WF, 38" Rubber
IH 786 Dsl., WF, 1800 hrs.
IH 826 Dsl., WF
IH 1066 Dsl. Tractor, Cab, extra nice
IH 766 D SOLD Fender Tractor, 120 hrs., excellent condition
IH 766 Dsl. w/BS, Roll Guard w/Canapy
IH 756 Dsl., WF, 3 pt., 38" Rubber
IH 666 Dsl. Tractor, WF, 3 pt., very nice
IH 666 Gas, WF, Very Good
Farmall 706 Dsl., WF, nice
Oliver 1755 dsl., WF, 2100 hrs., very good
IH Super A w/Rotary Mower and Loader
Ferguson 35 Gas, 1100 original hrs.
Ford 7000 Dsl. w/Cab, 1800 hrs., very nice
Ford 851, 5SP & Live PTO

HAY EQUIPMENT

JD 3960 Harvester w/Elec. Contr SOLD , 2 or 3R Head, very good
JD 346 Twine Baler w/#30 Thrower
JD 346W Baler w/Thrower
JD 336 Baler w/#30 Ejector
IH 1190 SOLD Haybine, very nice
NH 489 Haybine
NH 467 Haybine
NH 477 Haybine
NH 320 Baler w/Bale Turner, excellent
NH 315 Baler w/Thrower
NH 273 Baler w/Thrower
NH 277 Baler w/Thrower, very nice
NH 852 Rd. Baler w/Auto Wrap, like new
NH 845 Rd. Baler, very nice
NH #38 Flail Chopper, used 1 season, like new
NH #80 3 Pt. Rd. Bale Mover
NH 1005 Bale Wagon, single bale unloads
NH Super 1049 Self Propelled Bale Wagon, 160 Bale Capacity, very good condition
NH 1012 Bale Wagon

CHISEL PLOWS

JD 16 SOLD Tooth Pull Type
JD 1600, 3 pt.
MF 12 Tooth 3 pt

NEW ARRIVALS

1982 JD 6620 Dsl., Side Hill, 850 hrs., excellent condition
1977 JD 4230 Dsl., cab & air, QR, 2200 hrs., very nice
Oliver 1855 Dsl. Factory Cab, 1300 hrs., excellent
IH 84 Hydro Dsl., 1600 hrs., very nice
JD 2440 Dsl., Direction Reverser, 28" Rubber, extra nice
JD 4020 Dsl., Side Console, WF
MF 236 quick Tach Loader w/Hydraulic Valve, like new

JD 480B Diesel, Fork Lift, 21' Mast, Side Shift, 1400 hrs., very good condition

PLOWS

IH 720, 6x18 Spring Reset On Land Plow
IH 720, 6x18 Toggle Trip Onland
IH 720, 5x18 Toggle Trip
IH 710, 7x18 Spring Reset Onland
IH 710, 5x20 Spring Reset
IH 710, 5x18 Spring Reset
IH 710, SOLD Spring Reset
JD F145, 3, 4, and 5 Bottom Trip
JD 1450, 5 & 6 Bottom Trip
DJ 2500, 5x18, Spring Reset
JD 2700, 5x18 Spring Reset
White 580, 5 or 6 bottom Spring Reset
White 3 bottom Spring Reset
Bush Hog 12' 3 pt. Chisel Plow, new

LOADERS

Ford 4600 SU Tractor w/Loader
Ford 3400 Gas Loader Tractor w/3 pt., 1800 hrs.
Ford 340 SOLD Loader Tractor w/Cab, very nice
Ford 601 Loader Tractor
MF 165 Dsl. w/Quick Tach Loader
Case 1816B Skid Loader, 500 hrs.
Gehl 4300 Skid Steer

CORN PLANTERS

JD 7000, 4R, Cons., Dry Fert. & Insect.
JD 7000, 4R Conservation planter, 200 acres, like new, '84 model
JD 7000, 4RN w/Liquid Fert.
JD 1240, 4R Plate and Plateless Dry Fert.
IH 56, 4R Dry or Liquid Fert., excellent condition

GRINDER MIXERS

JD 750 w/Long Auger
JD 700
NH 353
NH 352
Gehl 95

CORN HEADS

AC Black 438 & 330
AC FG430
JD 243, 244, 343, 443, 444
IH 844, 843, 227
MF 43, 63C

DISCS

Bush Hog 18½' Hydraulic Wing Fold Disc, like new
JD AW 12'6", Very Good
JD BWF 20' Rock Flex
JD BW SOLD 6½' Rock Flex, excellent blades

NEW EQUIPMENT SPECIALS

NH 316 Baler, $6,800
NH 311 Baler, $5,800
Taylorway 9' Soil Saver, $3,350
New JD 327 T Baler w/40 Ejector

Trade in Special

JD 4400 Gas Combine w/13' Platform $5,950

MISCELLANEOUS EQUIPMENT

JD 148 Loader for 2840's & 2510-4240 Tractors
18x38-18x34-20x38 Duals
Cabs to fit IH 706 thru 1466 Tractors
Cabs to fit JD 3010-4320 Tractors
Brillion 8' Alfalfa Seeder w/Transport, good condition
JD 4 Row RG & RM Cultivators
IH #40 Stalk Shredder, excellent condition
IH 2000 Loader
NI 323, 1R Corn Picker
NI 10' Fertilizer Spreader w/Grass Seed
IH 1000 Loader for 140 or Super A, very nice
JD 3R 30" Fg. Head
NH 3RN Quick Tach Corn Head
New Deutz & Fahr Tedders 17' & 24'
JD 7' Direct Cut Grass Head for 3940, 3960 Harvester
JD 8300, 7x18 Double Disc Grain Drill
IH 510, 21x7 Double Disk Grain Drill

COMBINES

1980 Gleaner F2 Corn Plus, 23" Rubber, like new
1981 JD 4420, 900 hrs., fully equipped, excel. cond.
1979 JD 4400 Dsl., 23" Rubber, excellent, one of a kind
1976 MF 510 Dsl., Cab, Air, 23" Rubber, excellent
1976 Gleaner FKS Dsl., Cab & Air, 13' Grain Table, very nice
1976 IH 715 Dsl., Hydro., Cab, Air, 23" Rubber, nice local trade
1974 JD 4400 Dsl., Cab, Air, Choice of Heads
1973 JD 4400 Gas w/Cab, 1300 hrs , good condition
JD 213 & 215 Flex Heads
IH 820, 13 & 15' Flex Heads
Corn & Soybean Chopper to fit JD 3300-4400

Good Selection of Grain Tables
Financing Available on Above Machines

Call us for your year end tax investment credit equipment needs.

COMBINES W/GOOD SELECTION OF HEADS

J.D. 6620 S.H., 800 Hrs., Real Nice; **6620 S.H.;** 900 Hrs., 1 Owner, Just out of Harvest: JD 6620 LL, 900 hrs., 1 owner, nice; (75) 6600 D. Rotary Screen - Good; 6600 D. w/Grain, Good For $9,500; (69) 55 Sq. B. w/Cab, Corn Special; 55 Sq. B. w/Cab - Good; '74 JD 6600 D Hydro, real nice

IH (Used) 1460 Axial Flow - 900 Hrs., $34,800, Very Nice; (76) 915 Dsl., C.A. Turbo Hydro; (73) 915 D. C.A. Turbo Hydro w/4R C.H. $9,800; 715 Gas - Good; 205 w/Cab & 10' G.H; 203 w/Grain & 227 C.H.

M.F. (77) 760 V8 Hydro w/Mud Hog Rear W.D., fully eq., nice **(SOLD);** (80) 750 Gray Cab, 760 Hours - Nice; 550, Low Hours - Nice; (75) 510 D. Hydro w/Cab; (69) 510 D. w/Cab; 300 D. C.A. - 640 Hours, Excellent; 300 Gas - $2,850; N.H. TR70 C.A. Hydro; Gleaner (76) FD. w/C.A.-Nice; #90 Pull Type.

(75) **White** 8600 D.C.A. Hydro w/15' Flex, $9,750; N.I. 702 & 705 Uni-Systems w/Full Eq.; N.I. 709 C.A. w/R.W.D.; 767 Super Chopper; 729 A Shellers, $1,200; NI 727 Husking Beds In Stock.

Combines Coming In: MF 850 Hydro, clean w/heads; '78 JD 6600 D. hydro. w/low hrs., extra nice; IH 1480 w/820 Flex & 8R C.H.; Gleaner F w/grain & like new 430 C.H; Gleaner F2 D, CA, grain, A430 C.H.; Used Combine Tracks for JD 6600 or 7700.

CORNHEADS: J.D. 843, 1243, 643, 444, 443, 343, 244, 243, (New) 443 - $9,300; 653 Row Crop; 313 (45), 334 (55), 205 (40) 234, 435; Late Model 643 & 443, like new; **Late** Model 444, 643-$5250 & up, 443-$4250 & up.

I.H. 883, 863, 844, 833, 744, 227.

A.C. GL 440, C440, A438, L438, M430, F430, F335, F330, K238.

M.F. 1163, 1143, 63, 44, 43, 24, 222, 422.

N.I. 738, 743, 730, 734, 725, 723, 762, 763; **White** 706N; **Ford** 4-30"; **Case** (404) 4-40".

GRAIN HEADS: J.D. 12'-15' Incl. 213 & 215 & (2) JD 216 Flex, like new.

I.H. (New) 820 - 15' Flex, (Used) 820-17.5' Flex, $4,300; 810-13' Thru 16.5' w/Reg. or Floating Bar; 710-13'.

M.F. 10'-16' Reg. or Floating Bar; **A.C.** E10', G15'.

N.I. 713 Flex Or Rigid, 711.

TRACTORS:

J.D. (New) 4450 C.A. P.S. w/FWD; new 4240 C.A.P.S.; Used JD 4450 C.A., PS, w/3 Valves & Factory Dual Wheels w/165 hrs.; (Used) 4640 C.A.P.S., Duals - 800 Hrs., Real Nice; 4640 C.A.Q.R. - Factory Duals; 4640 C.A.Q.R. - Snap On Duals; 4450 C.A.P.S. - 100 Hrs. **(SOLD);** 4440 C.A.P.S. - Real Nice; 4440 C.A.Q.R.; 4240 C.A.P.S. - Nice; 4240 C.A.Q.R. 920 Hrs. - Excellent; 4240 Q.R. Fender; 2940 w/F.W.D. & 260 Loader, Low Hours; 2940 w/R.G.; 2840 w/R.G.; 8630 4 WD C.A.Q.R., Full EQ. w/Duals; 8430 4 W.D. C.A.Q.R., Fresh Motor - Real Nice; 6030 C.A. Duals - Nice; 6030 C.A., Nice; 4630 C.A.P.S. w/F.W.D., Real Nice; 4630 - 8 Spd., Nice; 4430 C.A.Q.R.; 4230 C.A.Q.R.; 4230 P.S. w/R.G.; 4030-77, C.A., QR; Used JD 4430 R.G. & Q.R.; JD 4040 PS w/R.G.; JD 4030 Q.R. w/R.G.; JD 4030 w/Fender; JD 4230 D w/RG Enclosure; JD 2630 w/Hi-Lo; 1530 w/Hi-Lo; 7520 4 W.D. C.A. - Duals; (70) 5020 - $6,500; (67) 5020 w/Duals - No 3 Pt. $4,850; 4620 w/Cab & New Tires; 4520 w/Cab & Fresh Motor; 4320 w/Cab - Good; (8) 4020's 1964-1972; 4020 S.C., W.F.E.; 4020 P.S., S.C., W.F.E.; (2) 4020 w/158 Loader, 3020 D. S.C., W.F.E.; 2520 D.; 2020 D. w/Loader; 2020 Gas; 4010 D. - New Clutch, $5,450; 4010 D. $4,500; 4010 Gas; 730 D. P.S. w/3 Pt. - $3,450; 730 Gas w/3 Pt.; 630 Gas; 720 D. P.S. w/3 pt; 620 P.S.; 620 L.P., P.S.; 60; A, 3010 gas.

I.H. (New) 5088 Full EQ.; (New) 3688 Full EQ.; 5488 Full EQ., Radial Duals - Like New; 3588 2+2 Local - Full EQ. - 900 Hrs. - Like New; 1486 w/C.A., dual PTO, 3 outlets & dual wheels; 1586 C.A. Nice; 1586 w/R.G.; 886 w/Cab 18x38 Tires, 700 Hrs. Like New; 886 w/R.G.; 186 Hydro C.A. - Like New; Hydro 84, Hydro 70; 784 - 1,000 Hrs., Real Nice, $9,500; 684 w/Cab; 1568 C.A. - 1,000 Hrs., Real Nice; 1468 C.A. - Nice - $8,500; 1566 C.A. - Black Stripe; 1566 w/Cab; 1466 w/Cab; 1066 Hydro - Original; 966 Original; 766 Original; 666 D., Real Nice; 674 D. 574 D. w/Loader; 574 D. - New Tires; 574 D. - $3,950; 354 Gas Utility; 1256 w/Cab, Nice; 756 D. W.F.E. & F.H.; 756 G Hi-Clear; 656 D. Hydro w/2000 L; 656 Gas - W.F.E. - Original; 656 Gas & Diesel; 656 D. Hi-Clear; 826 D. Hydro; 1206, Nice; 806 D; 706 w/German Diesel - Very Good. 706 D. - W.F.E. - 3 pt. - $5,000; 706 W.F.E. - 3 pt. Gas; 706 Gas T/A, W.F.E.; F.H.; 606 Gas w/3000L; 606 Gas w/L. - $4,250; 560 D. w/F.H.; 460 w/Loader - Needs Trans. Work; 450 w/P.S. & F.H.; 230 w/F.H.; Super M, M w/W.F.E.; M & H, nice; Super C. W.F.E. - F.H.; C w/Cult.

A.C. (New) 8050 C.A.P.S. - Radial Tires, List 56, Cost 44, Our Price $32,850; (New) 6080; (New) 7010 w/20 Spd. - $18,750; (Used) 7045 C.A. - 20 Spd. - Real Nice; 7040 C.A.P.S., Like New; 7010 C.A.P.S. Full Wts., - Light Package - Like New; 6080 w/R.G. - Nice; 210 - New 20.8-38 Tires - Full Wts; 200 w/Cab - $7,850; 180 D. - W.F.E.; Good; D17 Series 4 - w/3 pt.; D15 W.F.E. - P.S. w/Hyd. Loader; D14 WF w/Hyd. Loader; WD - 45 w/A.C. Loader & P.S.

CASE (Used) 2590 C.A.P.S. - 925 Hrs. - Like New; 1690 C.A.P.S. - 100 Hrs.; 1370 C.A.P.S. Factory Duals - Full Wts.; 380 D. w/R.G.; 1070 - P.S. $6,850; 1410 w/R.G.; 930 C.K. w/3 pt.

M.F. 2675 w/R.G. w/1,000 Hrs.; 184-4 w/F.W.D.; 1155 C.A.M.P. - $8,500; 1135 C.A.M.P.; 1135 w/R.G. & Duals; 1130, 1100, 175 D w/R.G.; 90 D.; 65 D.; T030, T030 w/Loader.

FORD 9600 w/Cab; 7600 w/Dual Power - Nice; 5000 D. - Real Nice; TW-20 w/220 Hrs. - Damaged. 901 w/WF; 8N

OLIVER 1855 w/20.8-38 Tires - Original Paint; 2050 - $7,850; 1950 T w/Cab - $5,975; 1650 D. W.F.E. w/o Shift - Original; 880 D. W.F.E. & 3 Pt.; 1800 Needs Motorwork.

WHITE 4-210, 4WD w/duals, 3 pt. fully eq., 1600 hrs., real nice; (New) 2-65 w/F.W.D. & (New) 1730 Loader - List $29,000 Sale - $19,900; (2) 2-135 C.A.; 2-85 w/1840 Loader - Very Good.

MISC. AGRI-POWER - 9,000-115 HP - Made by Fiat - 80 Hrs. Like New; **DEUTZ** 9006; M.M. Vista G1000 w/Cab & M.M. Loader.

Tractors Coming In: Used 4630 C.A., nice; JD 2640 w/Hi Low, 38" Tires; Case 2090 C.A., PS; Case 2590, like new, C.A., P.S.; Case 1070 & 970 w/Cab; MF 285D; New IH 5488 w/42" duals, fully eq.

CORNPICKERS: N.I. (New) 324-2RW w/Super Sheller List $15,390 **SALE** $8,475; (New) 323 - 1R; (Used) 325-2RN w/8 or 12 Roll Husker, Shellers & Super Shellers; (Used) 324-2 RW w/ 8 or 12 Roll Huskers; Shellers & Super Shellers; 323 - Like New; 323 Nice - $2,500; 305 & 319 MNTD; JD 237 MNTD; JD 300, w/2 or 3R C.H.

N.I. 330 - 3 RN w/Supershellers; 325 2RN w/Grinder.

FORAGE EQUIP.: Forage Harvesters w/Choice of Heads.

J.D. 5440 S/P w/R.W.D. C.A. - Hydro; 5200 S/P w/R.W.D. C.A. Hydro; 3960 - Elect. Controls; 3800 w/Elect. Controls; 38; 5200 S/P w/R.W.D. - Fire Damaged Cab.

N.H. 890, 782, 770, S717; 717.

FOX Super-D S/P - $4,950; 3310 w/3RN.

GEHL 600 w/2R; I.H. 830 w/3RN; IH 50 w/heads.

FLAIL CHOPPERS: (2) NH Used 38, I.H. 10 & 8; N.I. 4R Stalk Chopper; JD 16A.

FORAGE WAGONS: J.D. 716A w/Roof - Real Nice - $6,750; 716A - $3,450; **N.H.** #8 w/Roof, Real Nice; (2) **HESSTON** 7316 w/10 Ton Gear - 1 Yr. Old - $4,250; **HESSTON** #30 Stack Hand - $4,250.

HAY EQ.: BALERS: J.D. 336W w/Thrower - Real Nice; 346T w/Thrower; 466 - Big Baler For $5,000; JD Round 500 - $3,800. NH 310 w/Thrower; NH 320 w/Thrower; 280 W w/Motor; 275T; 273T w/Thrower; 69; **M.F.** 12; **I.H.** 440; **N.I.** 456 Round Baler.

RAKES: N.H. (New) 256; (Used) 256.

N.I. (New) 406 w/Dolly Wheel - $2,275; (Used) 402.

J.D. 660 w/Dolly Wheel; **I.H.** 15; M.F. 20 - 3 pt. - 6 Bar.

GRIMM & LELY TEDDERS

HAYBINES: N.H. 1495 S/P Hydro C.A. - 1,100 Hrs. - Real Nice; 1495 S/P Hydro, ½ Cab - Fresh Motor Overhaul; (Used) 489, 488 Nice; (2) 479; 472 (Nice); 461; 467, 7'.

HESSTON PT-7; 1014-12' Hydro Swing $1,975.

I.H. 990 - $1,000; **GEHL** 880 - $1,000; **M.C.** (New) 7E Rotary Scythe - $4,850; (Used) 7E; **N.I.** 270 Cut/Ditioner $950; 279 - Good; N.H. 1034 Stack Wagon.

FORAGE HEADS: N.H. 717-S Direct-Cut for 770 & S717; 737 Direct Cut For 717; 890 EN-2RN Snapper Head; 770-1R Snapper Head; 1, 2, & 3R Silage Head; Hay Pickups.

J.D. 8' Direct-Cut Head; 1, 2 & 3R Snapper Heads; 2 & 3 R Silage Heads, New & Used 5½' Hay Pickups; 7' Hay Pickups; 4-R Stalker Head - Real Nice; JD 243 C.H. w/adapter plate; 5 JD C.H. harvester adapter plates.

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WHITE 5100 - 6R Drl; **OLIVER** 5400-6R Dry w/Fill & Pop. Monitor - No-Till; **A.C.** 12R No Till Soybean.

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I.H. 510 21x7 D.D. w/Press Whls; 510-16x7 S.D. w/Fert & Grass Seed; 510-18x7.

M.F. 43-22x7 w/Grass Seed $1,875; **MOORE** 10' No Till, Like New; **BRILLION** Seeder; **N.I.** 12' LIME Drill.

GRINDER/MIXERS: N.H. 357, 352 - $1,450; **I.H.** 1150 Nice.

TILLAGE EQ.: PLOWS JD 2+3x #845 Rollover; Oliver 3x Rollover; Oliver 4x Rollover; JD 4x16; Oliver 546 4x- Spring Reset; Oliver 5x Cushion Trip; DMI 5x; **I.H.** 5x16 Semi-Mount w/Spring Reset; **OLIVER** 546 - 5x16 Spring Reset; **I.H.** 700 - 6x16 Spring Reset; **J.D.** 2500 6x18 Spring Reset; **WHITE** 549 6x18 Spring Reset On-Land; J.D. 7x; Oliver 566 7x.

CHISEL PLOWS: JD 14' w/Gauge Wheels; Brillion 8'; Athens 9'; JD 150 10'-12'; (New) D.M.I. 12'; I.H. 55-12'; Brady 1000-14'; Sunflower Hyd. Fold 18' - $1,850; J.D. 1600 - 21' Hyd. Fold; (New) Landoll 230 - 23' Hyd. Fold.

DISCS: Crustbuster 10' Flex Offset; Miller 10' Offset; I.H. 370-15'; J.D. - 15'; A.C. 18'; J.D. 220-20' - Hyd. Fold; I.H. 480 - 20'; Kawanee 22'; A.C. 25' Hyd. Fold; JD 230, 20' hyd. fold; Krause 30' Hyd. Fold

MULCH TILLERS: M.F. 129 - 11'; J.D. 1710 - 11'; Krause 2800 - 14'.

CULTIMULCHERS: New Dunham Lehr 13' at dealers cost; Brillion 15' w/Inside Wheels; Brillion 21' - Hyd. Fold.

PACKERS: (New) Brillion - 12'; (New) Brillion 25' - Hyd. Fold; (Used) Brillion 21' - Hyd. Fold; Used 12 & 14' Packers.

CULTIVATORS: J.D. 4+6R Front Mount; RG4 - 3 Pt.; Littleston 4R-3 Pt.; Oliver 6R Front Mount; **I.H.** 4R Front Mount; 12' Field; **J.D.** 1000-25' - Hyd. Fold; **I.H.** 20' - Hyd. Fold.

HARROWS: I.H. 12' Drag; **J.D.** 16' & 20'; **OLIVER** 16'; Case #100-25'.

MISC: I.H. #2 & 7 Shank V-Rippers; Glencoe Sok-Finisher 12'9" - Like New; **I.H.** 18' Vibra Chisel; Howard 13' Rotavator; J.D. #400 Rotary Hoe; Bush Hog 7-Shank V-Ripper $1,650.

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LOADERS & BLADES: J.D. 48, 58, 145, 148, 158, 245; **I.H.** 2050; 2250; 2350; 2355 (New); **FORD** 772; White 1840, 1710; Great Bend 700 (New); **DUNHAM LEHR** Fits I.H. 400-560; Set Of Forks For I.H. 2000 & 2250L; I.H. 8' Blade Fits 400-560; (New) J.D. & I.H. Buckets; New Leon Heavy Front Blade for 4WD.

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J.D. 400, 318, 317, 314, 212, 210, 208, 140, 112.

MISC: (New) Killbros Bins & Running Gears; Artsway 800B w/Elect. Scales - Like New, $6,250; Feedwagon Grain-O-Vator Feed Wagon; **N.I.** 213 Spreader; 214 Spreader w/Endgate; Bestland Rock Picker; J.D. 65 Blower; J.D. 350 Sickle Mower; Used 6' grain auger; (New) Sidewinder 213-13' Rotary Cutter (Incomplete), List $5,885 - As Is $1,650; Bush Hog 12' Rotary Cutter; (New) I.H. #80 Snow-Blower - 3 Pt.; (New) McKee Snow-Blower Front-Mount; TANDEM AXLE FERTILIZER SPREADER; 3 Pt. Hitch For J.D. 630 & 730; J.D. Quick-Couplers; (2) Sets Of Press Wheels For J.D. Drills; (2) New Sets J.D. 38" Cast Whls. & Rim For 4640; I.H. Flat Top Fenders For 706-1466; CABS For Tractors - J.D., I.H. 66 Series; (New) Full Vision Cabs For M.F. 165 Thru 1135; Dual Wheels; J.D. & I.H. Front & Rear Wts.; J.D. & I.H. Roll-Guards.

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#28 5610 LA314M, S/N- C733[illegible] SOLD ydraulic, Dual Power, Remote Valve (3) Air Pre-Cleaner, Weights, Front Tires- 10.00x16 ..... **$17,500.00**

#29 6710 EC314L, S/N- C714740, 130 hrs., very good, basic unit with independent 540 rpm PTO and 16x8 dual power synchromesh transmission 72 PTO H.P., auxiliary fuel tank-19 gallons, two pump hydraulic system-live hydraulics with load monitor, position control, variable draft control, automatic flow control, and special load monitor, two spool, closed-center remote control valve, Ford built cab w/air conditioner, heater/defroster, 3 speed pressurizer, windshield washer, deluxe comfortizer seat & seat belt, large padded tool box, AM/FM stereo radio, front wheel drive w/limited slip differential, front end weight set, consisting of ten 90 lb., front wafer weights and mounting carrier, front tires-14.9x24, rear tires-16.9x38 ..... **$24,000.00**

#32 7710 FC315L, S/N- C733742, 82 hrs. very good, basic unit with 540/1000 independent PTO, 16x8 synchro dual power and standard front axle, 86 PTO H.P., Ford built cab w/air conditioner, heater/defroster, 3 speed pressurizer, two doors with locks, mud fenders, tinted glass, AM/FM stereo radio, power adjust rear wheels, rear wheel weights plus front end wafer weights, front tires-10.00x16, rear tires-18.4x34 ..... **$24,000.00**

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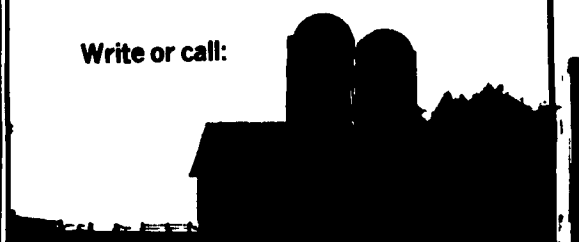

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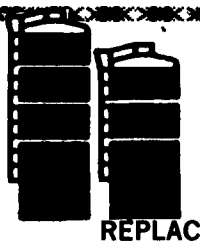

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  - 1500 Gal. to 4500 Gal.
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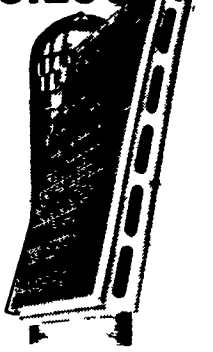

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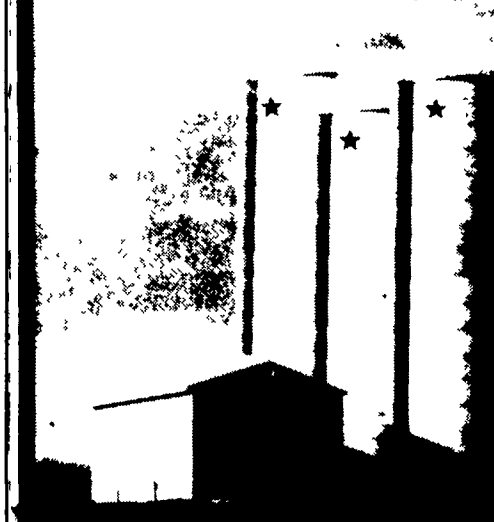
Committed to superior performance in Forage Management Systems.



- Star "Topper" Silos
- Van Dale unloaders and [illegible]
- [illegible]Pak Systems with [illegible] Bevid Ring Drive
- [illegible] Unloading
- [illegible]

Star Silo Has The Concrete Advantage

- Cooler Storage
- Less Heat-Damaged Protein
- Superior Strength Resists Storm Damage

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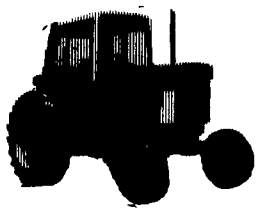
1 FARM EQUIPMENT



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5100 Grain Drill, 16x7
475 Disk Harrow 12 ft.
335 Running Gear 20,000 lbs.
515 5 Furrow Plow, 18"
86 Rake
15 Baler Thrower

NEW TRACTORS
484
284-Turf Tires
244-Turf Tires
254-Turf Tires

USED TRACTORS
Farmall Cub w/60" mower
Cub Cadet 682 w/44" mower
Cub Cadet 1650 w/50" mower
Int. 364D
MM Model ZB w/blade
Farmall H
284D 161 hrs.
Farmall BN w/mower

USED EQUIPMENT
IH 1050 Loader
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Woods model C114 rotary mower
Satoh Elk w/Mower & Snow Blade

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Thorndale, PA
Phone 215-269-2676

2 FARM EQUIPMENT WANTED

WANTED: Bale thrower for model 12 MF baler. Call evenings 516-722-4660

WANTED: New Holland bale wagons. Any size. Roeder Impl. Seneca, Kans. 66538. 913-336-2800.

Wanted: Pipe bender, steel cutting band saw, 7,000 JD conservation corn planter. 215-445-6976.

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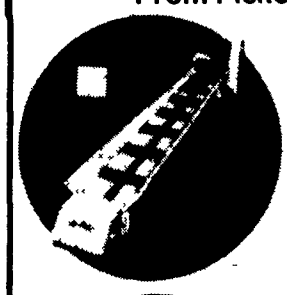
FEED HANDLING EQUIPMENT
Efficient, Labor-Saving
From Fickes Silo Co.



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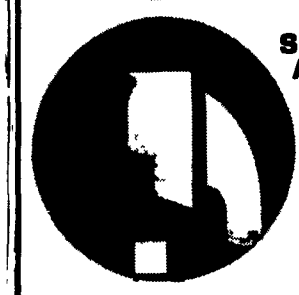

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7½ HP Motor w/Controls	$950
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Tear down & rebuild, extensions, silo roofs, permanent pipe, distributors, unloaders, feeders. We specialize in Replastering Silos.
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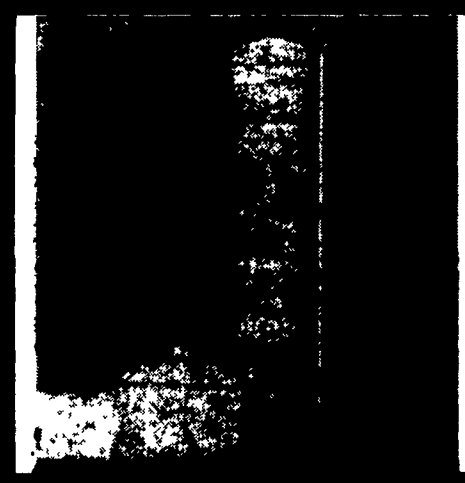
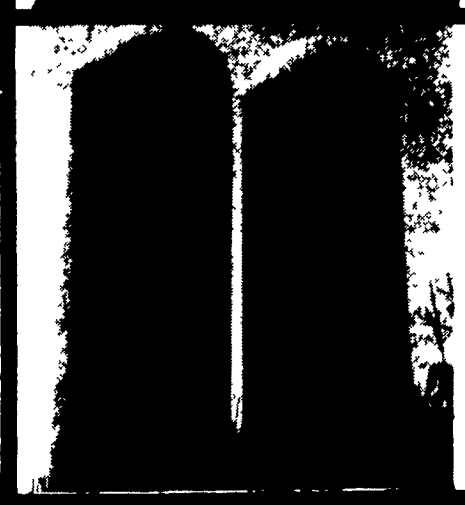
- Oxygen controlled
- Continuous filling and feeding
- Harvestore unloaders for hay-lage and grain



2 TOP UNLOADING CONCRETE SILOS
- 6" steel reinforced solid concrete walls
- Compare our superior construction and features
- 12' thru 30' diameters available



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- Low cost storage
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- Moveable

4 MANURE PITS
- Poured in place or precast concrete
- Above or below ground
- SCS approved

5 FEED BUNK
- Long lasting reinforced pre-cast concrete
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Before You Buy
CHECK OUR DISPLAY AD
In A Section, Page 12

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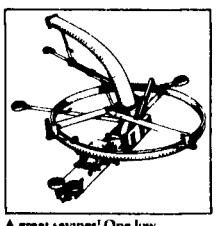
(What a package!)

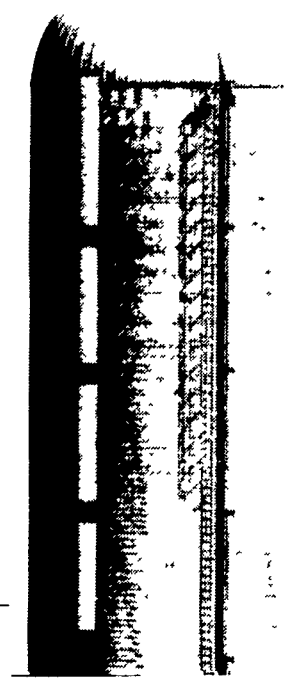
When you order a new Madison conventional silo this Fall, our special package price includes a top-quality, ring-drive unloader system. We know you want to buy your new conventional silo at the lowest possible price. We also know you want good quality. That's why we're offering this special total package on the best silo money can buy—a Madison.

See your Madison dealer for complete details soon. And remember Madison's exclusive, patented Vibra-Cor® stave and quality construction give you cooler, better feed, with less heat damage and less temperature fluctuation.



A great savings! One low package price on a new Madison silo complete with a top-quality ring-drive unloader. Call us for details.

STARLINE



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STEEL, ALUMINUM OR FIBERGLASS STRONG WOOD FLOORS
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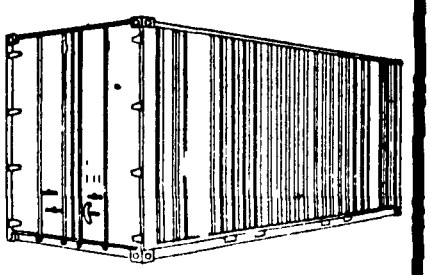

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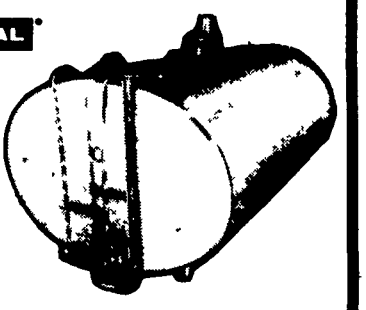

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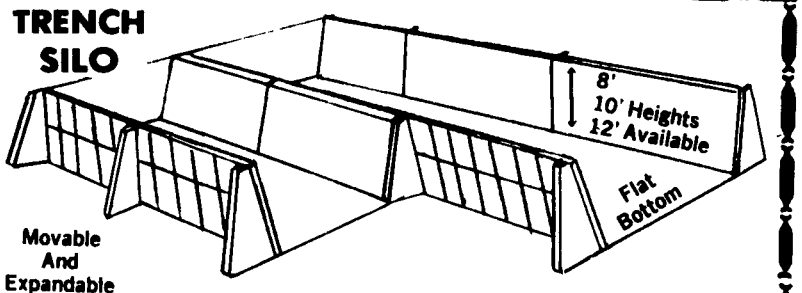

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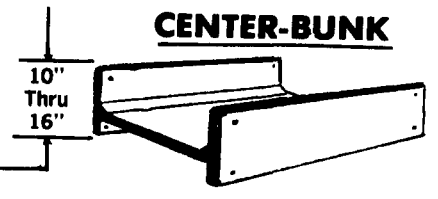

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1000 Gal. Mueller OH	400 Gal. Mojonnier
1000 Gal Mueller O	400 Gal. Sunset
800 Gal. Girton	(2) 400 Gal. Jamesway
600 Gal. Mojonnier	(2) 300 Gal. Girton
600 Gal. Milkkeeper	300 Gal. Milkkeeper
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- Any S.S. Items
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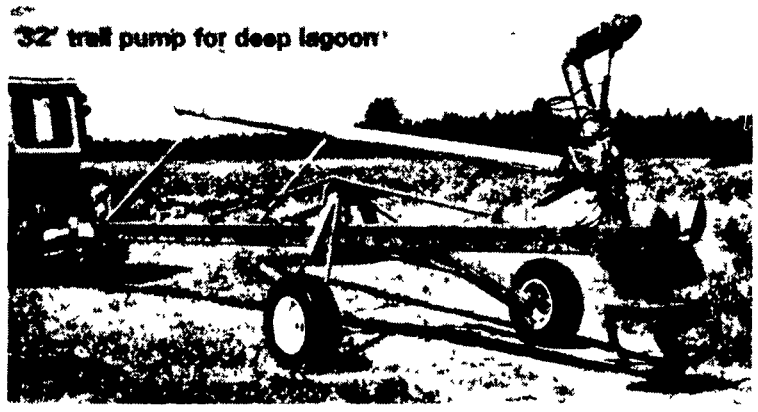
Cut 50% of the agitation time. Get a dual agitation pump that matches the power of your tractor.

"32" trail pump for deep lagoon"



- Fastest agitation of heavily crusted manure storage pits by the nozzle located over the settled manure.
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- Hydraulic controls operated from tractor seat

Our pumps are available with different gear box ratios to suit any tractor from 60 to 120 H.P.

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USED EQUIPMENT
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- 1 Westfalia Mini Pump Handles 2 Milker Units
- 2 - DeLaval Bucket Units 40 lb. & 70 lb. Electric
- 2 - Electric Kesco Dumping Station
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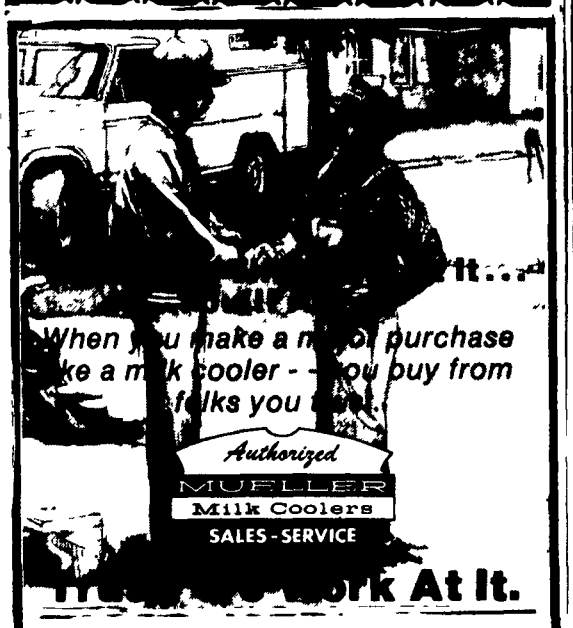

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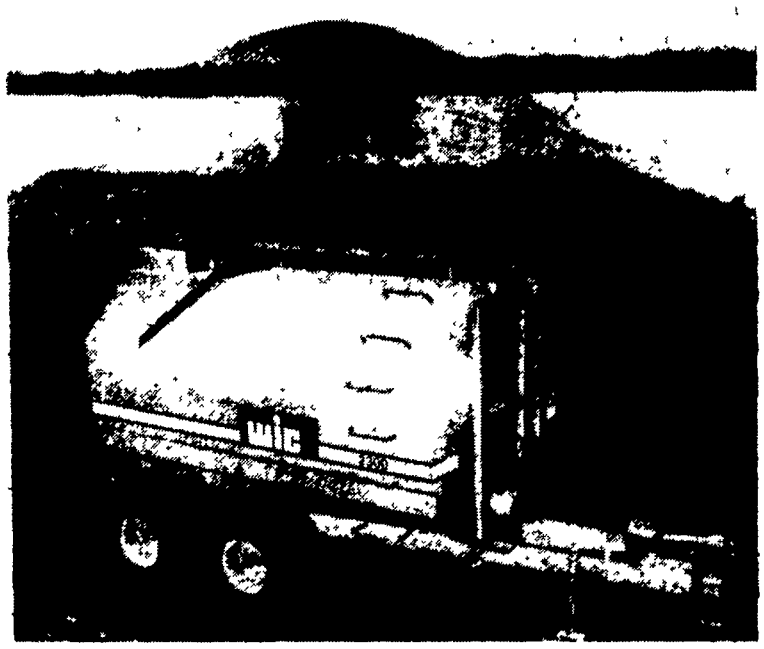

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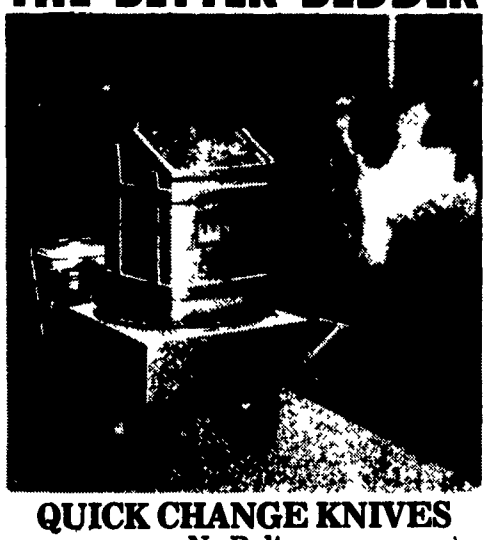

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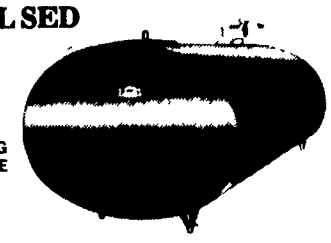

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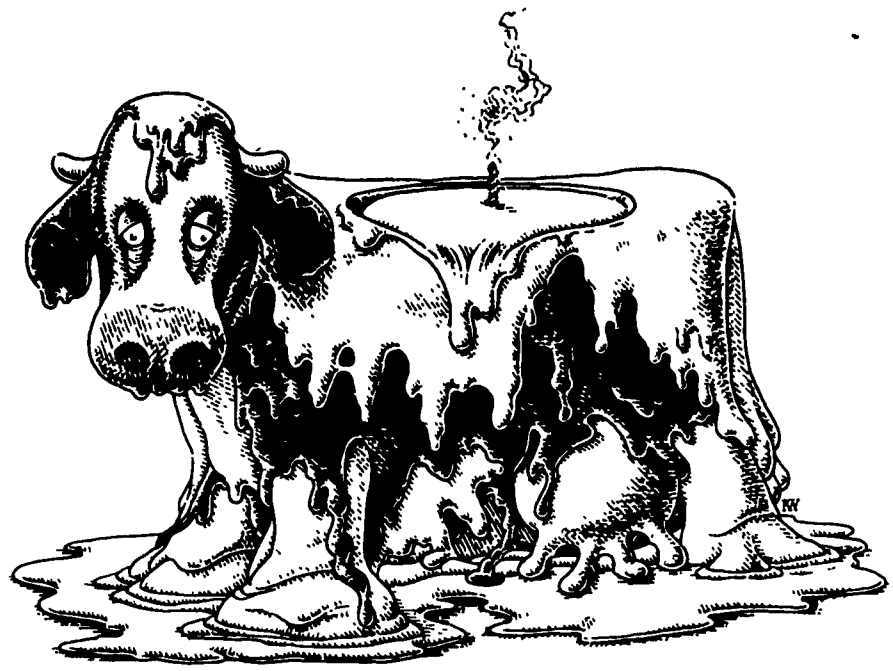

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Cambria Co. wins national conservation education award

WASHINGTON, D.C. — Cambria County Conservation District in Ebensburg, has been awarded First Place in the National Association of Conservation Districts (NACD)/Deutz-Allis Conservation Education Awards Program, it was announced recently.

"They tried everything they could think of," judges said citing the award-winning district. Because of their exemplary efforts in conservation education, the district was asked to implement a six-week environmental education program at one of the district high schools. "This was the ultimate in achievements," said district chairman Ted Hoover, pointing out that this was the first time ever in Pennsylvania that a course was offered every day for six weeks to the same group of students — a major step in conservation education.

"The hit-and-miss approach is not enough to develop awareness and appreciation, and most importantly, a concern for our natural resources," Hoover said. The Cambria program bears out this philosophy, and their committment is evident. The district has an active conservation program inivolving 13 separate school districts in the county which continues throughout the year. They have distributed 2500 trees to schools for Arbor Day programs this year, many of which will be planted on strip mined areas. Through outdoor trails and learning centers, conservation libraries, environmental workshops, programs for teachers, the handicapped, and senior citizens, the district runs an outstanding program almost 365 days a year.

Representatives of the district will be recognized at the NACD Annual Convention February 2-6, 1986, in Nashville Tennessee. They were chosen from seven regional winners representing 2,950 conservation districts across the United States.

Second Place in the National contest went to the Douglas County Conservation District in Lawrence, Kansas.

The NACD/Deutz-Allis Conservation Education Awards Program is open each year to all conservation districts in the United States, Puerto Rico, and the Virgin Islands. Objectives of the awards program are to foster awareness and appreciation of the value of conservation education and to stimulate efforts by teachers and conservation districts to advance the wise use, protection and enhancement of the nation's soil, water and related resources.

Decline in cow numbers to continue

COLLEGE PARK, MD. — The exit of dairy herds has been a well discussed and documented phenomenon within the total farming sector for many years, but especially since 1945.

The decline from the peak of over 25 million milk cows in the national dairy herd toward the 11 million milk cow level in 1975 was the result of two major on-farm changes.

First, the trend away from subsistence milk production activities and second, the trend toward larger commercial milk cow herds on a vastly smaller number of farms resulted from the dispersal of herds which produced milk for commercial shipment, but which generated low levels of milk sold annually per full-time worker equivalent and low levels of net value product per year.

As the average milk sold per cow and the average number of cows handled per worker on individual dairy farms increased, the average value of labor productivity increased on the surviving dairy farms.

This trend toward ever higher average levels of milk sold per worker employed in the milk production sector was accompanied by a major displacement of dairy farm workers.

The total market for raw milk supplies was only 115 billion pounds of milk in 1973-1975 compared with 118 billion pounds in 1942. The static national milk market in the U.S. resulted from a larger population base that consumed a lower average quantity of milk and milk products per capita.

Since the 1975 period, milk cows numbers have essentially stopped declining nationally (10.8 million low point) even though individual milk cow herds have been sold and some surviving milk cow herds have continued to grow in size.

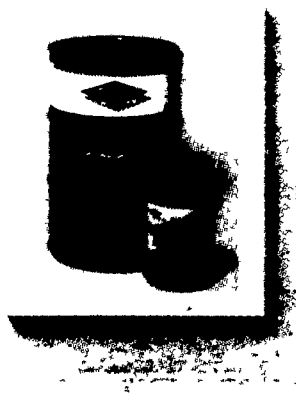
The long-term trend toward higher milk sold per cow was temporarily halted in 1984, but it is expected to continue into 1986 and 1987 and perhaps beyond if grain feeds and protein meals remain abundant and low in price relative to milk product prices.

Most agribusinesses and land-grant universities are geared toward raising average milk sold per dairy cow. However, ways must be found to reduce total numbers of milk cows in the national herd to restrict national milk output yet, at the same time, individual dairy herds and farms can improve average productivity per worker.

This type of industry production adjustment would mean fewer dairy farm workers as well as fewer commercial dairy farms in future years.

Economic policy analyses to date have frequently utilized supply responses which ignore the costs of labor and management resource transfers and unemployment, as well as the expenses of human skill development for integration into the non-dairy farm sectors of the economy whether off-the-farm or in on-farm activities such as crops with beef production to utilize pastures and forage crops produced in the usual crop rotations.

The provision of some type of long-term dairy cow herd "buyout" program may be incorporated into the final version of the 1985 farm bill currently moving slowly through Congress. The probable details of the herd "buyout" program should become available before the end of 1985. The provision could permanently reduce the number of U.S. dairy herds and eliminate the current surplus production of milk.



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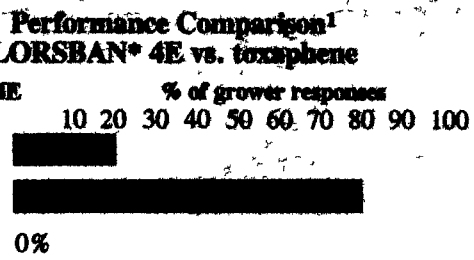

[1]Based on 34 (12 acre) plots in Virginia and Maryland.

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Mastitis report

KALAMAZOO, IL — A mastitis management report on methods of mastitis prevention and treatment is now available from The Upjohn Company. This is the third in a series of mastitis reports.

This report covers cost of clinical and subclinical mastitis, the benefits of preventing mastitis as well as management and treatment methods using Albadry Plus, Biodry and Albacillin.

Also included are ideas from a veterinarian who works with producers to reduce mastitis with the goal of improving their profit margin; a report from a producer who recently had a major flare-up of mastitis and his methods of recovery; and a testimony from a producer who is a long-time practicer of mastitis prevention.

For a copy of this report, or for more information, write Mastitis Management Report 3, The Upjohn Company, P.O. Box 5087, Kalamazoo, MI 49003-5087.

Farm Bill's Conservation Reserve may aid bay cleanup

COLLEGE PARK, Md. — The Conservation Reserve Program contained in the 1985 farm bill could remove up to 20 percent of Maryland's farmland from production and considerably reduce the amount of sediment reaching the Chesapeake Bay.

According to Pearlie S. Reed, state conservationist for the U.S. Soil Conservation Service, about 363,000 acres of Maryland's farmland is eligible under the program. It is designed to remove up to 40 million acres of highly erodible or erosion prone land from production nationwide by paying farmers for putting it in grass or trees for 10 years.

Putting all the eligible land in Maryland in the Conservation Reserve Program could reduce the amount of soil erosion by over one-half, or six million tons annually, Reed said. "We estimate that about one-fourth of the soil that erodes ends up in the Chesapeak Bay. So even if the program is only moderately successful, the potential for improving water quality in the bay is there," he explained.

Sign-up for the new program is expected to be completed within 60 days. That means farmers will have to be ready to make a quick decision about participating.

Most likely to participate in the program, said Reed, are absentee landowners who rent their cropland to other farmers. Erosion on rented land is generally higher than on owner-operated land because the tenant has little incentive for practicing soil conservation. Least likely to participate are dairy farmers who need every acre to raise feed for their cows. Reed also expects some grain farmers to retire highly erodible acreage and use the Conservation Reserve payments to rent more productive land.

Eligible is all land in capability classes VI, VII and VIII or class II, III, IV and V land that is eroding at twice or more the tolerable rate. Cropland is defined as land that has been tilled during any two of the past five years.

Land that is accepted into the program must have a conservation plan prepared on it to bring erosion within tolerable limits.

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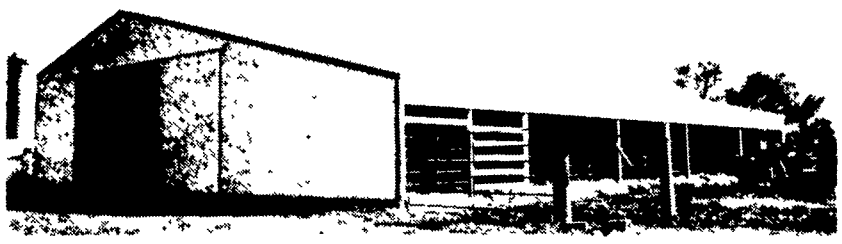

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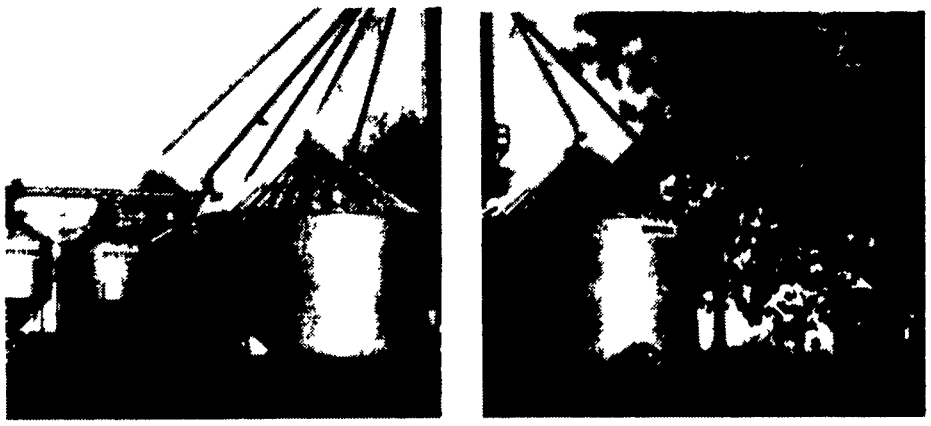

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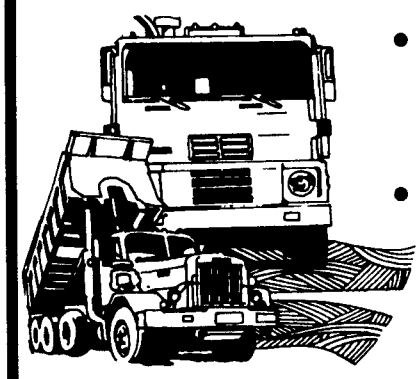

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Delaware soil scientist looks back on 40-year career

NEWARK, Del. – University of Delaware soil scientist Leo J. Cotnoir will retire December 31 after a career spanning nearly four decades. He joined the College of Agricultural Sciences in 1947 as a member of the plant science department faculty and director of the Delaware Agricultural Experiment Station's soil testing laboratory. Under his direction that laboratory has grown from a few vials, simple bench equipment and hand written reports to a highly sophisticated, fully automated operation with computerized reports.

A Connecticut native, Cotnoir holds a bachelor degree in chemistry from Assumption College in Worcester, Mass., and a master's degree in soils from the University of Connecticut. Before coming to Delaware he completed all requirements except the dissertation for a doctorate in soil physics from Purdue University.

As director of the University of Delaware soil testing program–a post he held until last spring–Cotnoir coordinated the development and updating of fertilizer recommendations for all crops grown in the state–field and vegetable, turf, home garden, ornamental, nursery and greenhouse.

He also collaborated on an effort to standardize soil test recommendations for the mid-Atlantic region. The resulting cooperation among soil specialists at experiment stations in Delaware New Jersey, Maryland, West Virginia, Virginia, North Carolina and South Carolina is unique in the U.S. It has increased the credibility of the soil test programs in all seven states and has also made it possible to maximize soil research efforts at each experiment station.

As lab director, Cotnoir has watched fertilizer use dramatically increase over the past 38 years in response to higher yielding crop varieties and more information on crop fertility practices. "The soil test has had a tremendous influence on fertilizer usage," he says. "There's no doubt in my mind that it has substantially increased the use of fertilizer. On the other hand, as farm economics have worsened over the last decade, farmers have been able to take advantage of high soil test readings to maintain optimum fertility without using more fertilizer than they need."

When Cotnoir joined the university in the late 1940s, the Delaware Agricultural Experiment Station and U.S Department of Agriculture were engaged in a project to survey all the soils in the state. He participated in this effort, helping develop guidelines for the project and interpret soil samples.

In the 1960s he played a supporting role in reclassifying the soils in that original survey. "Delaware was the first state to be completely remapped according to contemporary soil standards," Cotnoir recalls. Today, the resulting soil maps serve a number of purposes. As indicators of land productivity they are used for farmland tax assessment and as management aids for crop farmers. They also provide essential information for soil conservation purposes.

Though he never held an extension appointment, over the years Cotnoir generously supported educational activities of the Delaware Cooperative Extension Service. As an authority on soils and fertilizers, he contributed frequently to statewide programs for farmers, home gardeners and producers of turf and nursery crops. He also participated in programs dealing with soil conservation, waste disposal and water quality.

During the late 1970s and early 1980s, he was the guiding force behind a series of soils-related workshops for extension agricultural agents and specialists. Cotnoir played a leading role in assembling research data and updating the university's fertilizer recommendations in order to help financially hard-pressed farmers reduce production costs. He also served on the college's Soybean Task Force, a joint research/extension project aimed at identifying key yield-limiting factors for this crop in Delaware.

In recognition of his untiring support of these and other programs, the extension service presented Cotnoir with its Friend of Extension award at its annual conference in 1984.

Much as he enjoyed his soil lab work, Cotnoir–the father of eight–always felt special enthusiasm for his faculty responsibilities. "Teaching has been one of my joys over the years," he says. "I've had the privilege of teaching just about every course in the department–including field crops and plant breeding–though of course I taught mostly soil-related subjects." He likes to follow the careers of former students, many of them now living in other parts of the country. After retiring he says he will probably miss teaching the most.

As for his retirement plans, Cotnoir expects to continue his present involvement with the Longwood Foundation's professional gardener's training program. He also hopes to do some consulting, in addition to tackling household projects he's had little time for in the past.

University of Delaware soil scientist Leo Cotnoir will retire on Dec. 31, after nearly four decades of service as soils lab head and teacher.

'Mertect' label expanded

RAHWAY, NJ – 'Mertect'® 340-F (thiabendazole) Fungicide has received approval of supplemental labeling to suppress growth of the fungi Aspergillus spp. and Penicillium spp. during low temperature drying and during long term storage of grain.

The additional labeling comes after two years of research by University of Illinois professors Dr. Barry Jacobsen and Dr. Donald White, with the assistance of Dr. Dave Burnette, who conducted his post doctoral research on this project.

The new approval is an experimental use permit from the United States Environmental Agency (EPA), allowing 'Mertect' to be used on more than a quarter of a million bushels of corn in Illinois, Indiana, Iowa, and Michigan. The treated corn can be used only for animal feed at this point.

"If results continue to be as good in large scale testing, we hope to receive full registration on this new use in time for the 1986 corn crop," said George Gosen, Director, Agricultural Products in U.S. Operations, MSD AGVET.

"This use of 'Mertect' can represent tremendous savings in several ways. The farmer can reduce his energy costs of drying grain, reduce shrink loss by being able to store grain at higher moisture levels, and still reduce fungal damage, and stress cracks caused by high temperature drying.

The elimination of cracks and improved moisture level should bring a better price for the higher quality grain, so that's even greater profit potential, which the farmers can certainly use, in view of depressed prices and increased competition in world markets."

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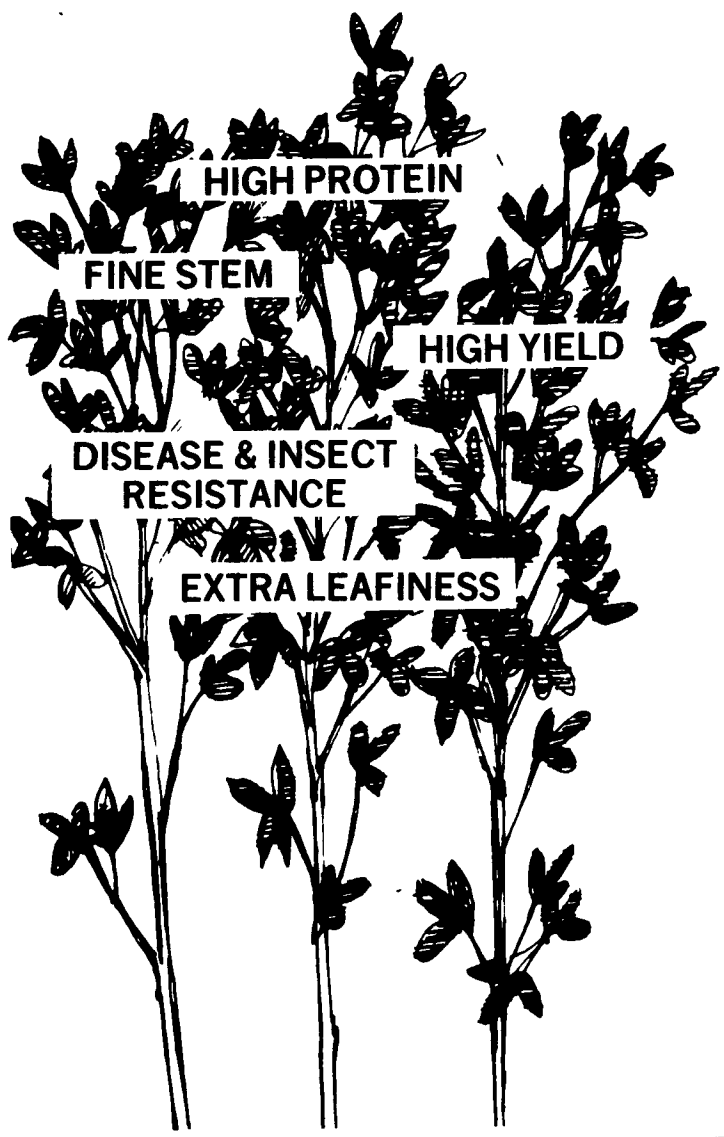

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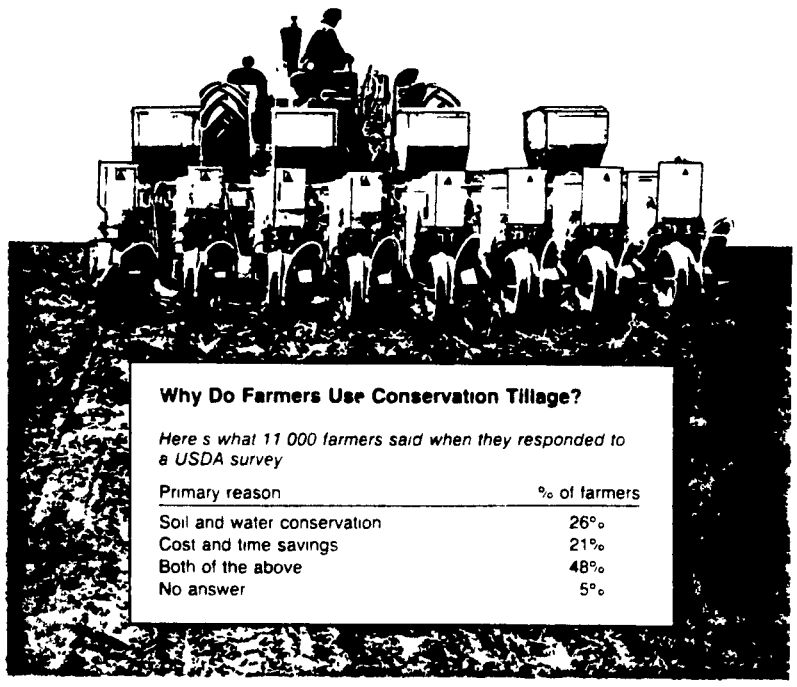
Plowbusting: Conservation



Why Do Farmers Use Conservation Tillage?

Here s what 11 000 farmers said when they responded to a USDA survey

Primary reason	% of farmers
Soil and water conservation	26%
Cost and time savings	21%
Both of the above	48%
No answer	5%

Reprinted from FARMLINE, USDA
Economic Research Service

Bob Wetherbee says it saves him time, labor, and fuel, and he agrees with Fred Awe who likes it because it helps reduce soil erosion. Still other farmers cite increased yields as a benefit.

They are all taking about conservation tillage, a planting method that has redefined the role of the plow — and often does entirely without it.

Unlike conventional tillage, where all the topsoil is mixed or inverted through plowing, power tilling, or multiple disking, conservation tillage minimizes soil disturbance and leaves plant residues on the field surface. Practices vary from no-till, where only a narrow slot is opened to plant seed, to the more common minimum till, where the entire field surface may be worked with some form of limited tillage.

Conservation tillage has caught on in a big way, almost doubling in acreage across the nation during the last decade, according to USDA economist Richard Magleby of the Economic Research Service. Estimates vary. Some place current acreage in conservation tillage at close to 100 million, up from about 49 million acres in 1974. Other estimates are lower, but one thing is sure: Before 1970, there wasn't much acreage in conservation tillage to count.

It's mainly been a phenomenon of the last decade and a half, Magleby says, although there were farmers who practiced the methods as early as the late 1940's.

"We used some minimum till on our family farm in Minnesota back in the early 1950's when I was a kid," recalls Frank Lessiter who is now editor of *No-Till Farmer*, a monthly magazine that keeps farmers informed of the latest trends in conservation tillage.

A Boost From OPEC

Lessiter says that, at the beginning, conservation tillage practices really spread by word of mouth. "One farmer might try it and have some success. Then his neighbor would see the results and try it too."

Word-of-mouth got a boost from the oil crisis of 1973, when the cost and availability of fuel became an issue for everyone.

"Farmers discovered they could save a third to half the fuel needed for conventional plowing if they used some form of conservation tillage instead," Lessiter says.

Despite its acceptance in the maintstream of agriculture today, conservation tillage is not for everyone. Soil conditions, climate, terrain, and the crops themselves must be factored into farmers' tillage decisions.

Conservation tillage is generally most successful with row crops grown in moderate climates. The major benefits are lower fuel and labor requirements and significantly reduced soil erosion and water runoff. Nutrient loss is also controlled to a more limited extent.

But there are tradeoffs. Weed and insect problems can change with conservation tillage. It may require adjustments in pest management practices, different herbicide and insecticide mixes, and less reliance on weed cultivation. In some instances, pest control costs are higher.

Nonetheless, researchers say that overall cost savings with conservation tillage can be significant. Savings on energy and labor have a direct impact on net returns, Magleby points out, usually offsetting additional chemical expenses, if any.

Who, What, and Where?

How many farmers use conservation tillage, where do they farm, and what do they grow? A recent USDA survey of over 11,000 farmers nationwide helps answer these questions.

The survey, which focused on the cropping practices of farmers in 1983, indicated that more than a fifth of the nation's farmers who grew crops during that season used at least one form of conservation tillage on all or part of the land they planted.

However, regional differences were pronounced. In the Corn Belt, 39 percent of the farmers practiced some conservation tillage. That's the highest percentage of any region. Farmers in the Northern Plains came in next, with a 30-percent adoption rate.

"The rates of adoption are generally better in the North than in the South and West," Magleby says. Conservation tillage was reportedly used by only 13 percent of farmers in the Rocky Mountain states, 6 percent of farmers in the Southeast, and just 4 percent of farmers in the Mississippi Delta region.

Regional cropping patterns play a role. "Conservation tillage is used primarily when growing corn, soybeans, and small grains," Magleby says. For that reason, it comes as no surprise that the highest adoption rates are found in the regions (particularly the Corn Belt and Northern Plains) where these crops are most widely grown.

Almost half the farmers who practiced conservation tillage in 1983 grew corn for grain or silage, with no double-cropping. Farmers who double-cropped soybeans following wheat, oats, or barley also tended to use conservation tillage, particularly the no-till practice, because of the speed in which they could get the second crop in the ground, Magleby says.

The size of the farming operation also had an impact on how likely farmers were to adopt conservation tillage. Of the farmers who used the practice in 1983, Magleby says, two-thirds operated farms of 180 acres or more.

Looking for Motives

Most analysts agree that there are two major reasons to use conservation tillage — soil and water conservation and the savings in cost and time. What is

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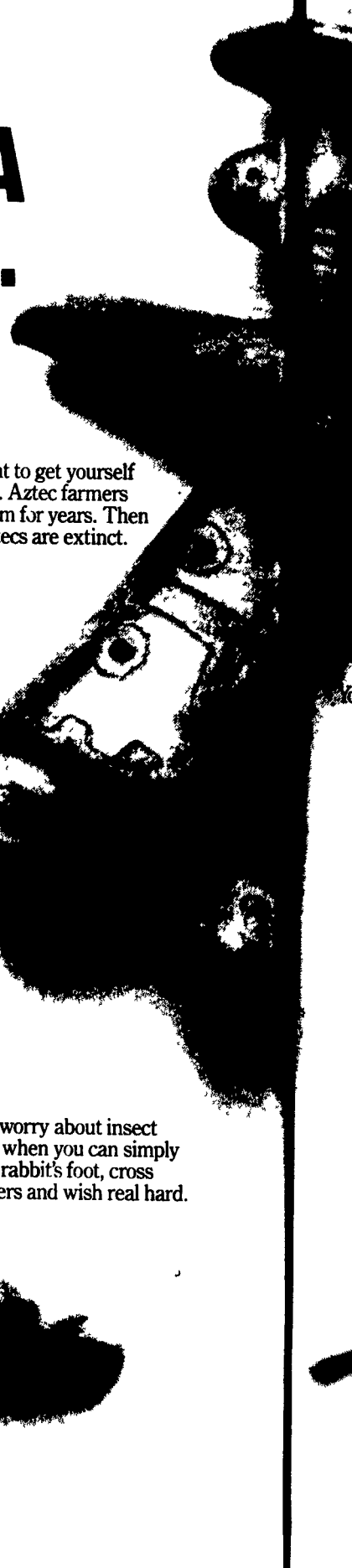


You might want to get yourself a fertility doll. Aztec farmers depended on them for years. Then again, the Aztecs are extinct.

If you find one of these four-leaf clovers in your field, you're in luck. But you'll be even luckier if the insects don't find it first.

Nailing one of these over the barn door is supposed to bring good luck. Considering the potential of insect damage, you might want to hang up more than one.

Why worry about insect damage when you can simply get a rabbit's foot, cross your fingers and wish real hard.

...ion tillage comes of age

not in universal agreement is the relative importance of these two factors when farmers make their decisioins.

What do farmers say? According to USDA's survey, both factors were rated as equally important by 48 percent of the farmers who used conservation tillage. Another 26 percent rated soil and water conservation on the top of the list, and 21 percent rated cost and time savings as most important.

Some farmers may start out with one as a priority and end up with the other.

Fred Awe, a grain and beef producer in Shullsburg, Wisc., says he began using conservation tillage in 1975 to cut production costs. After 10 years of experience, Awe is now committed to farming with no-till. However, his major reason has changed.

"I started using conservation tillage from an economic standpoint, but today my priority is control of soil erosion," Awe says.

Bob Wetherbee of Fairmount, N. Dak., agrees. The control of soil erosion is also his top priority. He sees conservation tillage as a management tool that's drawn him closer to his farming operation.

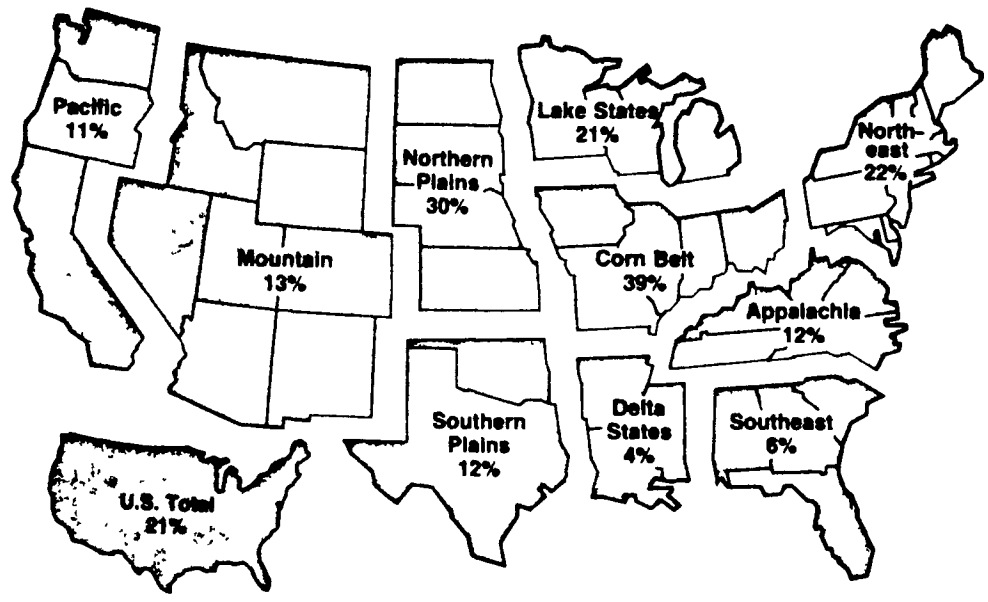
"It's definitely taught me that tradition is not always the best way of making decisions," Wetherbee says.

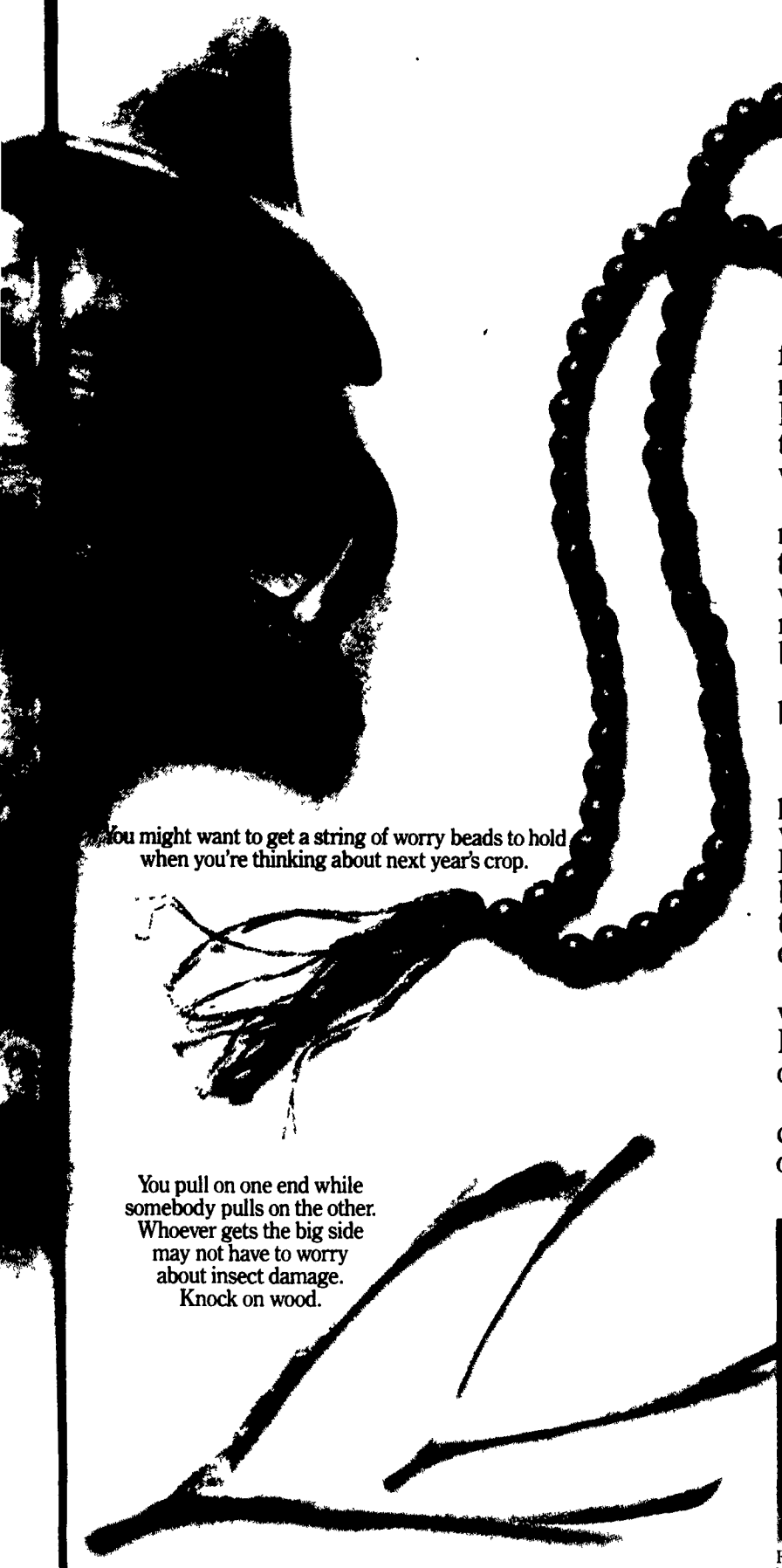
While many farmers who use conservation tillage claim that it has increased their herbicide costs, Wetherbee reports just the opposite experience. "I have found that the combined effects of cultivation, residue on the surface, early planting, and a reduction in soil disturbance all add up to fewer weeds."

Looking 10 years down the road, Wetherbee says he doesn't know if conservation tillage will guarantee him lower fuel bills, lower herbicide costs, and more free time, but he is sure about one thing: "I know it will protect my investment. It will mean a reduction of erosion on my land."

Conservation Tillage Is Most Widely Practiced In the Corn Belt and Northern Plains

Percent of farmers using conservation tillage methods in each region





You might want to get a string of worry beads to hold when you're thinking about next year's crop.

You pull on one end while somebody pulls on the other. Whoever gets the big side may not have to worry about insect damage. Knock on wood.

Today, farmers are trying to find any way to save money. Some might even be tempted not to use Furadan® insecticide and trust their luck that insect damage won't be too severe.

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Farm Credit has served needs well

COLLEGE PARK, MD. – Why does the Farm Credit System hold a third of the nation total farm debt? Apparently because it has served the farmers well over the last 50 years.

The Farm Credit System is a unique institution, chartered by Congress to serve the credit needs of farmers, agricultural cooperatives and rural people. Borrowers from the farm credit banks are members of one of the largest agricultural cooperatives in the world.

As a nationwide lending institution the local Federal Land Bank Associations and Production Credit Associations are members of 12 District Farm Credit Banks which function under a national Farm Credit Board and is supervised by the Farm Credit Administration. The consolidated Farm Credit System has the advantage of a single fund raising fiscal office which sells funds at near federal government rates. This system which is farmer owned and controlled has provided low cost credit to rural America for a number of years.

In recent months the low prices for farm commodities coupled with a decrease in farm land values has placed unprecedented financial stress on some segments of agriculture.

Under the cooperative farm credit structure and cooperative philosophy all members of the system share in the responsibility for the recovery of the distressed agricultural industry. One great advantage of a nationwide system is the risk is spread over the entire nation so adversity in one geographic or commodity area will not jepordize the entire system.

Mergers and consolidations in some of the more distressed farm credit districts along with the strength of other district banks has tended to maintain a sound national farm credit system.

The other two-thirds of the nations farm debt is diversified among various banks and lending institutions, but in isolated situations some rural banks are also feeling the strains of the current farmer stress in agriculture.

The current financial crisis in some segments of the nation has severely impacted on the nation's agribusiness industries such as farm machinery, fertilizer transportation, marketing agencies, etc. It is vital to the maintenance of a healthy food and fiber industry that all people, rural and urban, work together to strength this basic industry.

Farm Talk

By

Jerry Webb

Picking Corn: Then and Now

It's a common failing to reminisce about the good old days of agriculture and think only of bright spring mornings when the plowing and planting was done, and hot summer days when the grain was harvested and they hay was baled. But there was one job – picking corn – that was usually done around our neighborhood in November and December when it was cold or wet, or both, and it could also be muddy – at least until the ground froze.

So there I was, still a growing boy up before daylight to feed and harness two black horses and hook them to the wagon. These tasks were usually completed before the paid corn pickers arrived at 7 a.m. Then off to the field for a long cold day of hand picking.

The sun never shone and it was never warm like it is during the fall in this part of the country – or at least I never remember it that way. It was just one long, cold corn row, husking the ears, snapping them from the stalk, throwing them in the general direction of the wagon.

With two men and a boy working and a team of horses that would keep the wagon moving along beside the workers, we could make one load before lunch. If the yield was particularly good we could get a load and a half, and on a day three loads by dark.

Of course, it got dark early in November and December – so the afternoons were pretty short and often we were still finishing a load when the sun went down. That meant unloading and taking care of the horses in the dark. Back then, we were lucky to have electricity in the house so you know there was no light in the barn. That meant tending to the needs of two large horses in almost total darkness – not an easy task.

It's funny how certain things stick in your mind over that many years. When I think about picking corn by hand and the first thing I remember is being cold. Despite all effforts otherwise, my feet were always cold. I also remember the men I worked with – two rough talking farmhands who enjoyed wine, women and off-color humor in that order. When they were without them they amused themselves by harassing the kid who was trying to hold up his end of a man's job. I got to pick down the rows, hustle the ears that missed the wagon, use the worst shucking peg and suffer all sorts of verbal abuse.

I remember picking corn in the snow, which happened fairly often. An early December snow would come with corn still in the field and there was no choice but to bundle up and continue working.

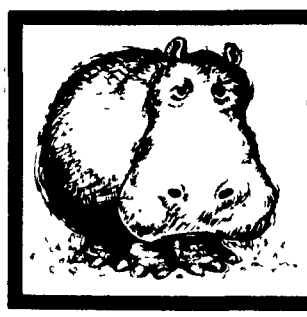
It was a cold, lonely job, made bearable only by the thought that if we hurried we'd be done before Christmas.

What a change those big machines made. At first, there was the one row picker, towed behind a Farmall tractor with a wagon behind that. Then came the mounted pickers that bolted right around the tractor. They were replaced by self-propelled pickers and finally the combines that pick and shell in one operation.

What a difference. Today a farmer spends about four times as much for his combine as our family received for the farm when it was sold in the late 1940's. Today's farmer sits in a glassed-in cab that is soundproof and heated, or cooled, depending on the weather. There's also a built-in radio, power steering and power brakes, a tilting telescoping steering wheel and levers that control every function, including unloading without stepping out into the weather.

This machine can do in a week what took three farmhands two months to do. The corn picker changed agriculture just as the tractor did before it. Now it seems to be a matter of how much land a farmer can gain control of that limits his operations. With rare exceptions, the machines are there to do the work.

I can look back 40 years and honestly say that I don't miss anything about picking corn by hand. If we lost anything when the machines came along I can't think what it was, with the possible exception of gloves with two thumbs. That still sounds like a pretty neat idea.



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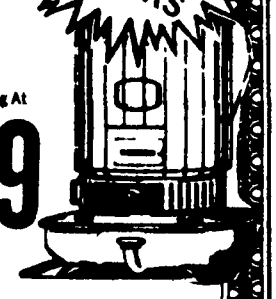

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Future depends on 'coordinating' disciplines

ITHACA, NY — The bright future promised by scientific developments in agriculture will not be fully realized unless new technologies are coordinated with social and economic factors, a Cornell University scientist contends.

Norman R. Scott, director of research for the New York State College of Agriculture and Life Sciences at Cornell, says that agricutural research must become a broad based effort that coordinates a myriad of economic and technical factors.

"We've got to put together not only the production of a product but also a system to handle that product and a strategy to market it," Scott explained.

For example, someone who wishes to devleop an aquaculture business must know more than how to raise fish, Scott said.

"You have to know where the fish are going to be sold, how they will be handled, and how they will be transported. You must bring together marketing, handling, processing, and transportation," he emphasized.

Scott, who is also a professor of agricultural engineering, made his comments during the recent Cornell Nutrition Conference for Feed Manufacturers in Syracuse, NY.

Emphasizing the need for coordination in agricultural production and research, Scott predicted that biotechnology, microcomputing, microelectronics, and robotics will play vital roles in future agricultural research.

For example, disease-resistant crops can be developed through conventional plant breeding methods or more exotic genetic engineering. Livestock can be made more productive by using newly developed growth hormones. Energy production can be boosted by creating strains of bacteria that can turn agricultural waste into ethanol on an industrial scale.

Developments in microcomputing and robotics can lead to computer controlled fermentation, automated packaging, marketing research, and other improvements to agribusiness.

In dairy herds, electronics will make it possible to achieve automated electronic identification of livestock, recording cows' milk yields, and detection of farm animals in estrus.

Coordination of technological developments in these fields with economic and social factors is essential for the continued health of the rapidly changing agricultural industry, Scott stressed.

"Agriculture today is facing some major issues such as increased interstate competition for markets, reduction in government supports, high interest rates, changing consumer trends, shrinking export markets, and changes in the country's population," Scott noted.

In order to cope with the future effectively, agriculture's researchers and industries must take those issues into account, Scott said.

Delaware spurs building of solar homes

DOVER, DE. — Up to $5,000 in mortgage principal reduction has been offered to buyers of newly constructed passive solar homes under the Delaware Solar Home Mortgage Assistance Program.

An estimated $50-$60 reduction in monthly mortgage payments can be realized at current rates, according to the Division of Facilities Management's Energy Office, the program's administrator.

"Construction of energy efficient residences 'in tune with nature' is the objective," said Ed Shimamoto, Program Manager. "The resulting structures should be less reliant on conventional energy sources by improved gain and retention of solar heat in the winter and reduced cooling loads in the summer."

The amount of assistance is based on the performance of the passive solar space heating system in combination with natural cooling strategies to reduce summer cooling loads.

For more information or to obtain an application, contact the Division of Facilities Management, P.O. Box 1401, O'Neill Building, Dover, DE 19903-1401, or call the toll-free Energy Hotline, 1-800-282-8616.

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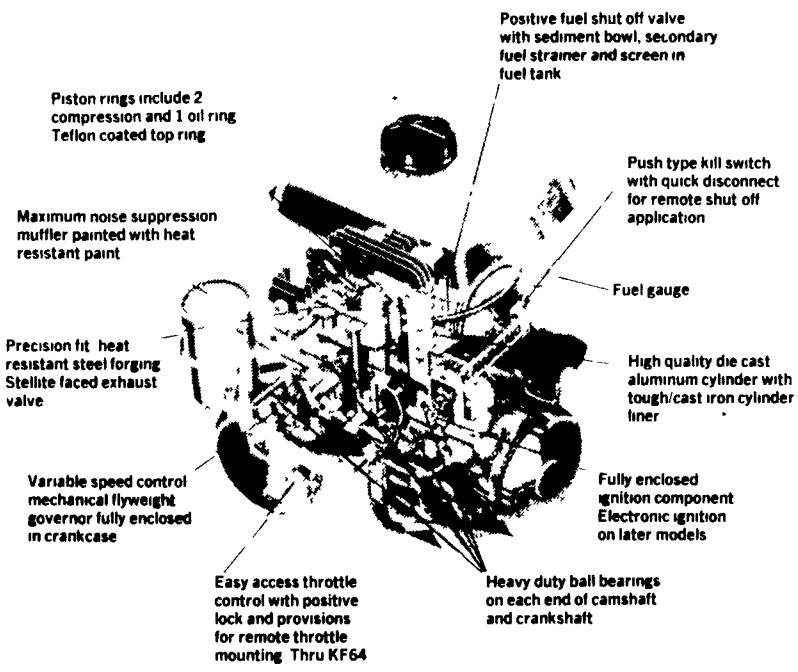
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Corn researchers pit fungus against fungus

AMES, IA. — Even if you could say it. Sphaeronaemella helvellae does not sound friendly, but it may turn out to be, according to Nader G. Vakili, research plant pathologist with the U.S. Department of Agriculture's Agricultural Research Service, Ames, Iowa.

Vakili was studying fungi that parasitize corn stalks when the was surprised to see one fungus growing on another. The fungi didn't look much different from one another, and all the fungi in Vakili's culture material came from corn stalks, so it seemed reasonable to assume that they were all parasites of corn. However, that was not the case.

Through his microscope Vakili saw one fungus growing only where another one was growing even inside the fungus's mycelium, a web-like filament that spreads through the tissue of the host plant, so small it is not usually visible to the eye.

He observed, what he later identified as S. helvellae, growing to the end of the victim's mycelium, stopping its growth and destroying the spores of its victim. He had found a mold-eating mold.

Since that day, four years ago, Vakili has been working to find ways to use S. helvellae, and other friendly fungi that he has found, to control those that attack corn stalks, causing them to fall over before the ears can be harvested.

He now has a collection of seven mold-eating fungi that he believes can be used to complement the disease resistance that plant breeders are constantly adding to commercial corn varieties.

Such biological disease control systems can reduce field losses as well as the cost and environmental risk of applying chemical pesticides, Vakili says.

In six years of field tests to measure stalk rot damage on more than 200 commercial corn varieties, losses averaged 5.6 percent. That would equal a loss of about 500 million bushels each year for the United States.

Experiments have shown that some corn lines benefit more from treatment with Vakili's mold-eating fungi than do others, indicating that corn breeders should be able to develop corn lines that provide a favorable environment for the mold-eating fungi.

"We should be able to breed fungi for greater virulence against destructive fungi. And, breed corn lines that are more compatible with the mold-eating fungi," Vakili says.

The mold-eating mold has a sexual stage in its life cycle, not all fungi do, and therefore genetic changes to increase the virulence against disease fungi should be easier to make, he says.

Vakili tested five of his mold-eating fungi against seven pest fungi. Six of the seven were inhibited by one or more mold-eating molds.

In addition to disease control, another advantage of using a fungus to control a fungus is safety, Vakili said. Seed corn is commonly treated with fungicides that are toxic to animals, so unused seed corn cannot be used and must be destroyed. If mold-eating fungi were used as a fungicide, unused seed corn could be safely fed to livestock.

Nominations sought for 'Conservation Teacher of the Year'

HARRISBURG — Nominations are being accepted for the national "Conservation Teacher- of- the-Year" awards program according to Pat Weiss, executive director of the Pennsylvania Association of Conservation District Directors, Inc. The competition is open to all full-time teachers working at the kindergarten through high school level who have developed an outstanding program of conservation education.

The National Conservation Teacher-of-the-Year will receive $1,000 in cash and an expense paid trip to Reno, Nevada for the 1987 annual convention of the National Association of Conservation Districts. The national second-place winner will receive a $500 cash award and the first place regional winner will receive $200.

Co-sponsored by NACD and the Deutz-Allis Corporation, the purpose of the awards program is to encourage the development of creative learning experiences in conservation for young people. "Any teacher in a public or private school in a conservation district who puts emphasis on conservation as a regular part of the instructional program is eligible for nomination," said Ms. Weiss.

Interested teachers can obtain additional information and nomination forms from the Pennsylvania Association of Conservation District Directors, Inc., telephone 717-236-1006. The awards program also honors the conservation districts judged to have provided the most effective stimulus and help for conservation education programs within the district.

Delaware receives $50,000 for nitrate research

NEWARK, Del. — Dr. Donald L. Sparks, a soil chemist at the University of Delaware Agricultural Experiment Station, has received a $50,000 matching grant from the U.S. Department of Interior, Geological Survey, to conduct a study of soil nitrate retention as it affects groundwater pollution in mid-Atlantic soils. The goal of this project is to find ways to manage nitrogen applications to these soils that will minimize water contamination and to determine the ability of these soils to retain nitrates.

Groundwater is the major source of water on Delmarva and along much of the East Coast. Nitrate leaching into groundwater is a problem in many coastal plain soils.

Although these soils are not usually thought to retain nitrate, several recent studies at other area experiment stations suggest that in some cases nitrate retention may be occurring, depending on fertilization practices. However, the mechanism for retention is not known.

The fate of excess applied nitrogen is extremely important because of its potential effect both on groundwater quality and subsequent crop yield. It is also of great concern to those who land-spread organic wastes such as poultry manure, sludge and compost. The nitrogen in these materials is a potential fertilizer as well as pollutant and must be managed.

Understanding the soil's capacity to retain nitrate would make it possible to estimate the fertilizer potential and leaching hazards involved in land-spreading a nitrogen source.

Sparks' study will be the first to investigate nitrate retention behavior in mid-Atlantic coastal soils.

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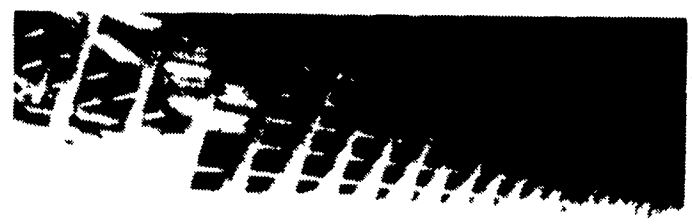

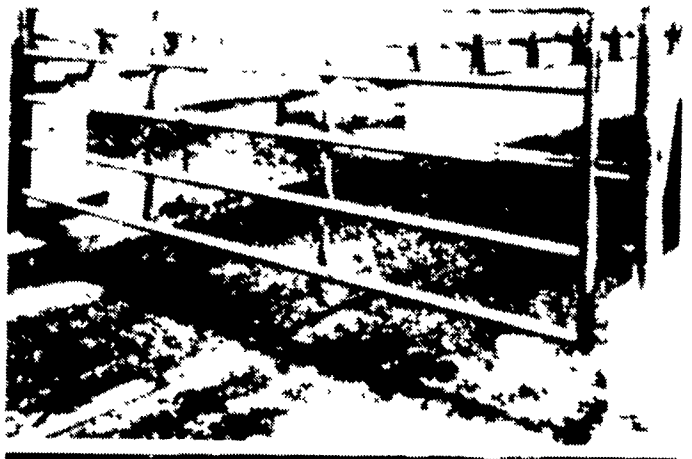

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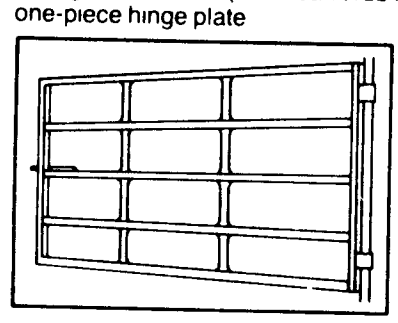

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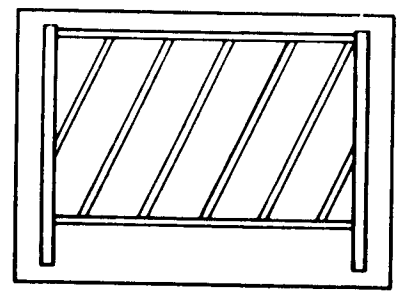

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